

Supplementary Table 1 - Transcriptomics analysis

Gene	mean Control	lower CI Control	upper CI Control	mean CKD5	lower CI CKD5	upper CI CKD5	pval	regulation
TAX1BP3	166	145	188	127	110	145	0.000025249	DOWN
LOC10012869	1147	878	1416	1585	1331	1838	0.000055095	UP
LOC728711	219	169	268	295	244	347	0.000147349	UP
CHRM2	456	281	631	752	539	965	0.000160221	UP
TUFM	249	202	296	186	144	229	0.000275465	DOWN
LOC10013356	1757	1336	2178	2381	1908	2853	0.000317399	UP
GART	252	197	307	369	268	470	0.000337589	UP
ACTG1	3496	2862	4129	2553	1821	3286	0.000358633	DOWN
C19ORF12	756	482	1031	1169	846	1492	0.000364414	UP
EPHA3	198	153	243	319	206	432	0.000424626	UP
CALU	368	251	485	236	149	322	0.000453493	DOWN
ZMAT5	304	188	420	505	330	681	0.000486754	UP
CALM2	1675	1414	1935	1251	880	1622	0.000565783	DOWN
CUEDC2	267	195	339	195	156	235	0.000566311	DOWN
MGP	1963	1433	2493	1213	589	1837	0.000596141	DOWN
CCNB1IP1	1056	818	1293	1561	1083	2038	0.000602318	UP
EIF3I	457	386	527	328	210	446	0.000626151	DOWN
GNPTAB	749	412	1086	1177	833	1522	0.000690099	UP
RPL10A	1221	772	1669	722	355	1089	0.000773455	DOWN
DOPEY2	250	151	349	394	267	522	0.000774827	UP
AP3M1	773	506	1040	1163	816	1510	0.00078137	UP
LOC439953	1357	1133	1580	979	624	1334	0.000806034	DOWN
LOC728624	1153	694	1613	1753	1245	2262	0.000817567	UP
STAP2	726	429	1023	1092	792	1392	0.000827991	UP
RPLP1	1581	1414	1748	1234	888	1579	0.000853525	DOWN
LOC654096	273	168	379	174	117	232	0.000855063	DOWN
LOC10013377	1250	720	1780	1794	1419	2170	0.000862097	UP
RARRES3	497	378	617	341	203	480	0.00102823	DOWN
SLC44A4	586	302	870	1017	606	1428	0.001073943	UP
PODXL	998	576	1421	1506	1071	1941	0.001095301	UP
B2M	1758	1233	2283	1280	989	1570	0.001099624	DOWN
LOC10013082	1607	1069	2146	2200	1724	2676	0.001115864	UP
SORBS1	235	169	301	413	223	604	0.001142018	UP
LOC646200	1923	1602	2244	1510	1138	1882	0.00114479	DOWN
FGD2	394	258	530	602	400	804	0.001157249	UP
FKSG44	359	240	479	587	354	820	0.001162975	UP
CD151	408	291	524	254	114	395	0.001177407	DOWN
G6PD	177	138	216	139	120	157	0.001217668	DOWN
LOC10013251	1160	791	1530	1565	1234	1896	0.001219375	UP
PACRGL	389	240	537	628	389	867	0.001254797	UP
C6ORF48	1236	749	1724	1785	1320	2250	0.001288221	UP
BAX	1862	1242	2483	2560	1968	3153	0.00130583	UP
MTHFD2	749	448	1050	1155	769	1541	0.001352148	UP
C1ORF84	213	145	281	310	215	404	0.001383865	UP
FBXW11	249	217	281	186	127	245	0.001401546	DOWN
LOC729629	374	228	521	568	384	753	0.001402721	UP
PI16	444	291	597	287	161	412	0.001407685	DOWN
TMED7	214	158	270	160	119	200	0.001416159	DOWN
ZNF765	914	616	1213	1251	958	1544	0.001429471	UP
RPE	645	351	939	1025	664	1387	0.001453228	UP
ZMYM6	582	371	794	950	566	1334	0.001464595	UP
IGFBP6	506	222	789	276	165	388	0.001484047	DOWN
ZC3HAV1L	561	409	714	818	551	1084	0.001492427	UP
LOC10012885	1079	543	1616	1668	1160	2177	0.001494742	UP
FKTN	1610	1032	2189	2228	1703	2753	0.001550957	UP
TERF1	318	217	419	441	325	558	0.00168211	UP
OLFML2A	188	140	235	139	98	180	0.001724762	DOWN

LOC10013276	509	334	683	759	501	1017	0.001811432	UP
ZNF568	233	158	308	329	234	423	0.001812475	UP
PNPT1	1433	950	1916	1954	1486	2421	0.001873828	UP
MARCH8	1095	645	1546	1599	1133	2064	0.00191015	UP
VAMP5	216	185	247	170	123	218	0.001926109	DOWN
TMEM176B	163	137	189	125	100	150	0.00193535	DOWN
LOC646996	686	450	922	1027	671	1383	0.001942541	UP
EIF3L	582	488	676	460	337	583	0.001946074	DOWN
MTFMT	346	237	455	489	344	635	0.001991067	UP
DKFZP779L18	465	369	561	644	443	844	0.002078011	UP
LOC10013022	973	668	1279	1419	945	1893	0.002107921	UP
RAD51	150	115	186	240	136	345	0.002119693	UP
LOC10013005	1120	623	1617	1670	1152	2188	0.002119889	UP
ZNF669	258	172	343	455	225	685	0.002214271	UP
AHNAK	2104	1840	2369	1794	1486	2103	0.00234022	DOWN
KARS	592	527	657	475	342	608	0.002399857	DOWN
EIF3M	371	336	406	318	260	376	0.002440115	DOWN
VPS41	310	150	471	508	303	713	0.002519827	UP
DYNLRB1	363	289	437	285	211	359	0.002522983	DOWN
LOC650843	1185	902	1469	1535	1170	1900	0.002572228	UP
LOC728073	259	160	359	415	240	591	0.002618235	UP
WDR23	458	227	689	790	423	1156	0.002629141	UP
LOC400721	766	402	1131	1175	766	1584	0.00264846	UP
MGP	1196	256	2135	457	-20	933	0.002654472	DOWN
TGOLN2	440	278	603	300	190	410	0.002665815	DOWN
LOC644934	790	437	1143	463	183	744	0.002669022	DOWN
RPS27L	295	175	415	436	290	582	0.002699767	UP
EIF2AK4	826	513	1139	1218	803	1633	0.002702012	UP
IGBP1	248	183	312	187	133	241	0.002706663	DOWN
ST20	1498	862	2134	2098	1569	2627	0.002710784	UP
EPST11	258	196	321	153	56	250	0.00278045	DOWN
ACBD7	388	181	595	664	363	966	0.002805533	UP
SEPN1	427	268	586	672	393	951	0.002821417	UP
ZNF100	336	224	448	490	319	661	0.002856561	UP
LOC727808	1043	571	1514	1666	981	2352	0.002934665	UP
DGCR6L	229	141	318	308	241	376	0.002948303	UP
SNX3	334	255	414	259	190	328	0.003032518	DOWN
LOC642267	152	114	189	217	140	294	0.003090311	UP
FLJ20518	155	124	185	207	145	270	0.003095507	UP
CFLAR	409	232	587	654	378	930	0.00310267	UP
ZNF266	491	274	708	737	479	994	0.003151322	UP
TES	1475	1078	1873	1876	1484	2268	0.003207634	UP
HS.193557	211	163	260	164	119	209	0.003211711	DOWN
LOC10013486	607	401	812	930	551	1309	0.003214956	UP
MSTO2P	284	171	397	464	252	676	0.003217203	UP
LOC10013417	604	372	836	902	571	1232	0.003276787	UP
SLA2	470	273	666	686	459	914	0.003360203	UP
C20ORF45	245	164	326	171	104	239	0.003375355	DOWN
TAF8	859	428	1290	1249	898	1599	0.003378439	UP
GSR	2318	1598	3037	2897	2450	3343	0.003450851	UP
LOC10013044	331	199	463	539	292	786	0.00345406	UP
LOC10012803	1760	1105	2414	2325	1838	2811	0.003475367	UP
LOC642617	689	377	1001	979	708	1250	0.003514835	UP
CD34	844	535	1153	580	356	805	0.003548855	DOWN
LOC653314	1034	889	1180	812	549	1076	0.003579108	DOWN
NDUFA11	314	183	445	209	127	291	0.003637738	DOWN
LOC10013059	265	174	356	193	139	248	0.003647324	DOWN
MFSD10	205	79	331	410	162	657	0.003708871	UP
SEPHS2	260	231	289	205	137	273	0.003714217	DOWN
AES	352	263	441	227	80	374	0.003799488	DOWN
C15ORF63	306	204	408	459	275	643	0.003889114	UP

FAU	1741	1426	2056	1273	710	1836	0.003961972	DOWN
CPE	624	348	900	433	335	532	0.003980246	DOWN
STAG3L1	615	473	758	831	570	1092	0.004022783	UP
LPHN2	170	134	205	226	159	293	0.004033053	UP
C6ORF145	285	227	343	216	139	294	0.004055318	DOWN
PPIL5	257	170	345	419	216	622	0.004055721	UP
PNPT1	1497	913	2081	2118	1450	2786	0.004087282	UP
ZNF706	377	162	592	565	391	739	0.004126664	UP
SLC16A12	1535	767	2302	2296	1510	3082	0.004146915	UP
SC4MOL	493	292	694	674	501	847	0.004183362	UP
RPS15A	5338	3299	7377	3506	1752	5260	0.004212937	DOWN
DCN	1569	972	2167	1036	527	1545	0.004248647	DOWN
RPS26P11	983	530	1437	567	158	976	0.004270952	DOWN
PTGS1	281	223	338	200	107	293	0.004274666	DOWN
RPL35A	2184	1541	2826	1503	764	2242	0.004299893	DOWN
LOC10013262	4077	3316	4839	4671	4195	5147	0.004306162	UP
FLJ32790	461	267	656	758	393	1124	0.004341789	UP
C7ORF64	334	207	461	484	312	657	0.004404075	UP
VIM	1694	1383	2005	1426	1176	1676	0.004421698	DOWN
ZNHIT3	1265	865	1665	1777	1171	2383	0.004467841	UP
C1ORF210	305	234	376	431	271	590	0.004483456	UP
CHIC2	177	138	217	130	101	158	0.00448503	DOWN
SLC30A6	298	174	422	431	284	578	0.004496768	UP
ALKBH5	888	657	1120	674	458	890	0.004609562	DOWN
LAPTM4B	739	616	863	481	145	817	0.004682915	DOWN
PIGW	345	170	520	555	309	801	0.004705892	UP
BCAS4	2218	1523	2914	2887	2188	3585	0.00470976	UP
LOC10013171	277	223	331	391	242	539	0.004763983	UP
LOC442609	274	130	417	472	229	714	0.004769077	UP
LILRB1	985	647	1323	1372	926	1818	0.004778862	UP
RCN2	214	159	269	170	133	208	0.004794232	DOWN
TOP3A	180	146	215	290	142	438	0.00489167	UP
AKAP12	209	155	263	157	107	208	0.004899763	DOWN
PPFIBP1	373	218	527	527	359	695	0.004944701	UP
LOC642210	1894	1053	2735	1270	787	1753	0.004954367	DOWN
MRPL44	433	246	620	615	421	808	0.004979679	UP
POT1	242	166	319	375	203	547	0.005004712	UP
SPC24	254	171	338	389	217	560	0.005059289	UP
LOC728054	238	117	358	395	203	587	0.005089242	UP
RBP1	504	230	778	305	156	453	0.005091174	DOWN
LEPR	365	205	526	248	160	337	0.005137255	DOWN
IFIT2	253	150	355	169	92	246	0.005182105	DOWN
CECR7	184	136	233	282	156	407	0.005235038	UP
LOC10013010	564	481	647	672	540	804	0.005257856	UP
FBLN1	1740	1015	2466	1164	647	1682	0.005331203	DOWN
C8ORF37	728	426	1031	1093	654	1531	0.005362775	UP
LOC728687	600	263	937	950	553	1347	0.005416208	UP
AK3	626	489	764	427	175	680	0.005423325	DOWN
ALG5	445	294	596	313	179	447	0.005476186	DOWN
LOC10013462	1297	871	1723	1711	1257	2164	0.005505207	UP
RAX2	345	161	528	539	314	764	0.005565887	UP
LOC10013272	765	441	1090	1134	695	1573	0.00557166	UP
GAR1	296	204	388	221	150	293	0.005643476	DOWN
ARHGAP8	654	348	961	936	636	1236	0.005674981	UP
SNTN	732	408	1055	1015	724	1306	0.00569236	UP
LOC728991	1824	1142	2506	2407	1821	2993	0.005746029	UP
PMVK	655	458	852	407	100	715	0.005784619	DOWN
SERPING1	286	229	342	221	144	299	0.005799276	DOWN
LOC285053	573	490	657	445	279	612	0.005812053	DOWN
LOC10012827	437	284	590	650	379	920	0.005812564	UP
CLTB	183	147	220	148	109	187	0.005886923	DOWN
GYG2	248	170	325	342	225	459	0.0059211	UP
FTHL7	1337	918	1756	926	462	1389	0.005953898	DOWN

ZNF486	405	213	597	647	344	949	0.005993167	UP
RNASE4	229	141	317	163	111	214	0.006049539	DOWN
SQSTM1	1436	923	1949	1022	622	1421	0.00605211	DOWN
PPP1R2	287	246	328	246	199	293	0.006082703	DOWN
RAPGEF3	159	90	229	275	126	424	0.006089174	UP
ARPC5	319	233	404	239	152	326	0.006090451	DOWN
GTF2IRD2P	531	250	812	777	520	1035	0.006094246	UP
LOC645452	752	411	1093	1188	638	1737	0.006107257	UP
VPS24	229	145	312	168	119	217	0.006124901	DOWN
XRCC5	218	169	267	166	105	228	0.006127431	DOWN
DNAJC13	244	141	347	375	210	539	0.006159807	UP
RPS11	2665	2543	2788	2294	1775	2814	0.006206458	DOWN
CD151	169	126	211	129	95	163	0.006210633	DOWN
MINA	179	140	218	146	112	180	0.006242807	DOWN
EIF4E	352	180	523	536	315	756	0.006277752	UP
LOC10013198	185	135	235	254	165	344	0.006279319	UP
MGC12760	139	113	166	211	111	310	0.006320298	UP
NPTN	265	177	353	200	145	255	0.006329629	DOWN
MCF2L2	483	353	613	681	419	943	0.006331534	UP
ITM2A	313	138	489	200	133	267	0.006336793	DOWN
H6PD	464	246	682	706	413	999	0.006339361	UP
LOC10013317	2053	1318	2788	2655	2056	3254	0.006380737	UP
PMS2L1	353	191	516	493	348	638	0.006386499	UP
PCDHB11	171	137	205	136	111	160	0.0064002	DOWN
TEX11	2461	1814	3108	3037	2417	3657	0.006424875	UP
LOC728658	3799	2525	5073	2778	1780	3776	0.006494533	DOWN
LOC731542	1022	557	1487	1538	908	2167	0.006519054	UP
ZNF785	167	132	201	218	150	285	0.0065665	UP
RPL21	2340	1507	3172	1559	680	2438	0.006602292	DOWN
SPG7	231	159	302	325	203	446	0.006614968	UP
BRIP1	638	295	980	957	599	1316	0.006616586	UP
ERGIC1	257	176	338	197	142	251	0.00665332	DOWN
C21ORF58	637	348	925	951	568	1333	0.006709521	UP
DAPP1	633	402	865	990	513	1466	0.00671499	UP
LOC10013120	564	429	698	396	183	610	0.006761753	DOWN
LOC401206	6291	5011	7571	4873	3126	6621	0.006824314	DOWN
SMCR5	281	170	393	455	221	688	0.006861966	UP
FLJ45966	410	214	605	595	382	809	0.006870778	UP
LOC10013209	174	140	207	234	151	317	0.00695015	UP
FASTK	440	383	497	516	416	615	0.007035958	UP
LOC10013274	816	524	1108	573	317	828	0.007062748	DOWN
C1ORF151	272	163	381	377	255	500	0.007146225	UP
GDI2	304	224	383	240	177	304	0.007158158	DOWN
PRIM2	1065	729	1402	1455	960	1950	0.007234016	UP
ARL16	712	481	943	1018	615	1421	0.007245696	UP
SH2D4A	211	146	275	139	103	176	0.007267576	DOWN
ZNF652	964	540	1389	1368	898	1838	0.007271844	UP
ROMO1	690	464	917	487	258	716	0.0072774	DOWN
LOC10012856	391	216	566	608	326	891	0.007282413	UP
LOC643308	370	265	475	279	181	378	0.007348298	DOWN
SLC9A4	2958	1896	4020	3739	3024	4454	0.007381066	UP
SLFN5	332	205	458	236	144	328	0.007385186	DOWN
HERC2P2	158	89	227	213	157	270	0.007401316	UP
MXRA7	290	124	456	175	115	234	0.007437667	DOWN
LARP7	211	154	268	164	117	212	0.007444267	DOWN
UGDH	187	128	246	145	110	181	0.00744686	DOWN
LOC645790	233	158	308	360	184	536	0.007502775	UP
LOC651436	2280	1427	3134	1555	763	2346	0.007576672	DOWN
SVIL	131	100	163	171	157	185	0.007651551	UP
SHFM1	1006	838	1175	816	572	1060	0.007754487	DOWN
LOC10013252	642	537	747	762	608	915	0.007760459	UP
TTC21B	507	294	719	734	449	1019	0.007782308	UP

LOC391126	549	501	596	465	347	583	0.007880368	DOWN
RNH1	333	220	447	248	163	332	0.00796959	DOWN
SLC17A5	171	127	215	234	148	321	0.007996844	UP
SHCBP1	996	594	1398	1445	869	2022	0.008027042	UP
RPL26	1444	1041	1847	1005	447	1563	0.008057184	DOWN
DEAF1	180	119	240	245	162	328	0.008062212	UP
LOC644745	2693	1635	3751	3567	2616	4519	0.008127357	UP
AFMID	361	188	534	530	323	737	0.008149617	UP
SNAPC1	241	191	291	339	199	479	0.008199781	UP
RPS20	2513	1694	3331	1897	1288	2506	0.008245488	DOWN
EEF1A1	5766	5004	6528	4728	3314	6142	0.008256174	DOWN
LOC649144	259	148	369	376	227	525	0.008267835	UP
LOC10012856	262	201	323	446	174	718	0.008426118	UP
RPS25	5739	4306	7173	4343	2629	6056	0.008426895	DOWN
POLR2J4	406	170	642	644	348	939	0.008430599	UP
LOC731789	170	103	237	246	146	347	0.008549992	UP
HS.483906	205	122	287	154	123	185	0.008580171	DOWN
CSF2RA	630	407	854	892	545	1240	0.008674141	UP
ITM2B	397	288	507	307	205	408	0.008716202	DOWN
HSD17B7	544	262	825	827	471	1183	0.008740138	UP
SNORD108	157	111	202	214	139	288	0.008775534	UP
FAM73A	642	368	916	939	554	1325	0.008784332	UP
FTHL7	1417	1085	1749	1051	572	1529	0.00882428	DOWN
CRKL	224	151	296	171	118	223	0.008835789	DOWN
MGC26356	1144	693	1595	1663	975	2351	0.008869488	UP
FBXL11	344	267	422	435	314	557	0.008881219	UP
MRPS16	300	217	384	415	256	574	0.008885385	UP
LOC729236	718	460	976	525	329	721	0.009033103	DOWN
LOC10013323	798	363	1233	1181	730	1631	0.009051815	UP
LOC644191	970	462	1478	576	158	995	0.009113946	DOWN
ZNF273	646	350	943	897	608	1187	0.009142579	UP
POMP	1183	951	1415	923	580	1267	0.009174971	DOWN
FLJ32784	2801	1817	3784	3428	2952	3904	0.009260675	UP
CCDC56	1154	871	1438	919	650	1187	0.009271187	DOWN
FARSLB	1521	944	2097	2070	1386	2755	0.009279139	UP
FBLN2	1532	674	2390	1000	632	1369	0.009351863	DOWN
LOC727773	249	172	326	356	206	505	0.009357831	UP
LOC389517	932	531	1333	1333	822	1844	0.009358483	UP
SNORD99	124	109	140	174	119	229	0.009432438	UP
ATP1B1	302	183	421	225	163	287	0.009433037	DOWN
C9ORF80	683	468	897	1007	544	1469	0.009438659	UP
DNCL1	348	225	471	255	158	352	0.009464271	DOWN
LOC285176	1727	1350	2105	1340	837	1842	0.009507474	DOWN
LOC727865	926	637	1214	664	346	983	0.009518948	DOWN
LOC10012955	1727	1328	2127	1340	852	1829	0.009523907	DOWN
SERF2	611	444	777	482	342	622	0.009762605	DOWN
FAM3A	229	151	308	339	184	494	0.009779983	UP
C17ORF86	7773	6857	8688	8430	7775	9085	0.009781996	UP
SNHG3	633	352	914	870	592	1149	0.009799597	UP
PTRF	3656	2948	4364	3100	2484	3716	0.009925255	DOWN

Gene	mean PD	lower CI PD	upper CI PD	mean CKD5	lower CI CKD5	upper CI CKD5	pval	regulation
LSM1	230	212	248	163	123	204	0.000034526	UP
TFG	308	267	350	215	162	268	0.000043403	UP
C7	641	449	832	344	192	495	0.000079378	UP
OBFC1	216	192	241	156	110	201	0.00025872	UP
LSM12	223	165	282	157	122	192	0.000352503	UP
TMEM141	209	168	250	156	123	189	0.00040835	UP
ARFIP1	167	151	183	130	114	146	0.000417	UP
MAPRE1	206	145	267	142	121	164	0.000482636	UP

LOC10013059	266	221	311	193	139	248	0.000509715	UP
FMOD	262	240	284	201	147	255	0.000729926	UP
ACTG1	1496	1121	1871	961	549	1373	0.00077661	UP
KLF10	186	133	239	128	109	147	0.000807111	UP
SSR4	745	547	943	501	319	683	0.000988278	UP
C1S	1421	971	1871	838	378	1299	0.001138523	UP
LOC653879	599	355	843	319	114	523	0.001140725	UP
WBP5	319	206	433	215	155	275	0.001330125	UP
TAX1BP3	179	124	234	127	110	145	0.001336382	UP
CFB	1603	279	2927	496	-6	997	0.001389507	UP
LOC10013347	245	197	293	172	107	237	0.001437658	UP
SUMF2	584	451	717	443	338	547	0.001497062	UP
LOC440043	444	342	547	335	254	416	0.001500363	UP
BAG3	408	255	561	203	40	367	0.001631609	UP
TMEM147	259	199	319	185	127	242	0.001709211	UP
RXR8	546	220	873	844	653	1036	0.00179795	DOWN
IL6ST	292	202	382	205	144	267	0.00194975	UP
CFH	256	193	319	166	83	250	0.002120594	UP
COMT	336	250	422	239	157	322	0.002278572	UP
NRAS	183	159	207	142	103	181	0.002499354	UP
SSBP1	304	238	370	221	143	299	0.002721993	UP
FN1	983	529	1436	550	208	893	0.002830278	UP
DNAJC3	428	255	600	278	172	384	0.002866372	UP
TMED3	371	202	540	227	125	330	0.003077667	UP
CKLF	383	300	466	240	94	386	0.003361658	UP
RAB3GAP1	358	237	480	241	143	340	0.003399984	UP
AP2M1	425	349	501	294	154	435	0.003575393	UP
CALR	689	423	955	460	285	635	0.003644574	UP
SH3BGRL3	292	206	378	217	158	275	0.003684008	UP
PPP3CA	194	175	213	232	190	275	0.003739491	DOWN
CALU	333	235	431	236	149	322	0.003796446	UP
SFRP4	515	238	792	247	12	483	0.003893646	UP
TRIM78P	142	119	166	178	140	216	0.004059767	DOWN
CAPNS1	452	292	613	321	220	422	0.004440667	UP
NNMT	724	89	1360	249	33	466	0.004606333	UP
GPX1	510	440	581	365	197	533	0.004691181	UP
DGUOK	316	211	421	230	175	286	0.004808086	UP
TIMP1	2154	587	3722	985	188	1782	0.004877751	UP
SERF2	612	513	711	482	342	622	0.004932929	UP
PMP22	299	200	399	220	157	282	0.004959522	UP
ELK4	249	206	292	186	115	257	0.0050669	UP
CUEDC2	238	193	283	195	156	235	0.005154603	UP
LOC653884	232	162	303	174	126	223	0.005219459	UP
UBXN1	447	361	533	323	183	462	0.005314612	UP
LOC10013222	270	227	314	213	148	277	0.005673254	UP
M6PRBP1	185	124	245	132	97	168	0.005910498	UP
UFC1	318	186	450	220	147	294	0.005928691	UP
CSDA	343	204	482	224	116	332	0.00598286	UP
LOC10012809	352	228	475	481	346	616	0.006099134	DOWN
STK19	270	147	393	183	125	242	0.006238334	UP
CFH	317	179	456	185	54	317	0.00627123	UP
SOD2	243	104	382	145	98	192	0.006509267	UP
LAMP2	211	146	275	163	127	199	0.006530083	UP
HS.354359	116	104	128	171	122	220	0.006691731	DOWN
FN1	1095	507	1682	628	221	1036	0.006838493	UP
C1ORF162	377	224	530	227	71	383	0.006865889	UP
FAM53C	296	190	402	207	123	290	0.006927707	UP
IGFBP4	1763	836	2690	1134	717	1550	0.006939645	UP
CSTB	1011	894	1128	1162	987	1336	0.006954618	DOWN
MIF	580	229	931	341	179	503	0.007028477	UP
VOPP1	162	135	189	123	104	142	0.007077958	UP
CDC42EP4	637	288	986	347	78	616	0.007102003	UP

RHOG	323	220	427	234	148	321	0.007388311	UP
AQP1	297	145	449	201	147	254	0.007405271	UP
RASGRP3	147	117	176	210	150	271	0.007433519	DOWN
SERPING1	313	191	434	221	144	299	0.007510957	UP
LOC10013173	245	194	296	201	157	244	0.00755742	UP
COL3A1	705	176	1234	346	95	597	0.007602125	UP
TXNDC5	273	128	418	182	135	230	0.007687025	UP
WDR42A	401	352	450	474	385	563	0.007774675	DOWN
LOC10013304	406	243	569	289	194	383	0.007853008	UP
SEC61G	1238	587	1888	776	408	1143	0.008043455	UP
LOC10013351	403	192	613	232	70	394	0.008216243	UP
TGOLN2	423	261	586	300	190	410	0.008227835	UP
CRKL	255	122	388	171	118	223	0.008371872	UP
LUM	440	228	651	278	131	424	0.008387423	UP
CCL2	424	-12	860	170	83	256	0.008389696	UP
HARS	224	163	285	181	145	216	0.008449952	UP
COL1A2	392	135	650	212	100	323	0.008488746	UP
IL1R1	280	84	476	150	90	211	0.008551656	UP
IRF2BP2	658	441	875	838	661	1015	0.008560237	DOWN
TFDP1	515	424	607	411	288	533	0.008615209	UP
SERPINB8	182	138	226	137	102	173	0.008765549	UP
PCDHB11	167	130	205	136	111	160	0.008815477	UP
USP33	228	170	286	174	119	228	0.008854117	UP
CFL1	227	143	311	170	137	203	0.008979801	UP
SND1	317	252	382	229	120	338	0.009073611	UP
CKLF	270	200	340	191	101	280	0.009251221	UP
ALDH1A3	1903	-185	3992	662	50	1273	0.009323432	UP
C3	932	516	1348	503	10	996	0.009344169	UP
G6PD	180	116	243	139	120	157	0.009447441	UP
NAMPT	1214	98	2331	512	54	971	0.009532739	UP
FRYL	192	163	221	247	175	319	0.00959103	DOWN
LOC645159	148	89	207	204	146	261	0.009591793	DOWN

Supplement 2 – GO analysis of CKD5 versus Control

Analysis Type: PANTHER Overrepresentation Test (release 20160715)
 Annotation Version and Release Date: GO Ontology database Released 2016-11-30
 Analyzed List: upload (Homo sapiens)
 Reference List: Homo sapiens (all genes in database)
 Bonferroni correction: TRUE
 Bonferroni count: 8330

GO biological process complete	Homo sapiens - reflight (20972)	observed (of 204)	expected	fold enrichment	p-value
SRP-dependent cotranslational protein targeting to membrane (GO:0006614)	96	10	0.93	10.71	4.13E-04
> cotranslational protein targeting to membrane (GO:0006613)	104	10	1.01	9.88	8.60E-04
> establishment of protein localization to membrane (GO:0090150)	279	13	2.71	4.79	3.71E-02
> protein targeting to ER (GO:0045047)	104	10	1.01	9.88	8.60E-04
> establishment of protein localization to endoplasmic reticulum (GO:0072599)	108	10	1.05	9.52	1.21E-03
> protein localization to endoplasmic reticulum (GO:0070972)	128	10	1.25	8.03	5.61E-03
translational initiation (GO:0006413)	154	15	1.5	10.01	4.39E-07
> translation (GO:0006412)	456	25	4.44	5.64	3.99E-08
> peptide biosynthetic process (GO:0043043)	480	25	4.67	5.35	1.18E-07
> peptide metabolic process (GO:0006518)	623	28	6.06	4.62	1.93E-07
> organonitrogen compound metabolic process (GO:1901564)	1910	42	18.58	2.26	3.83E-03
> cellular amide metabolic process (GO:0043603)	783	30	7.62	3.94	1.60E-06
> organonitrogen compound biosynthetic process (GO:1901566)	1091	34	10.61	3.2	1.78E-05
> amide biosynthetic process (GO:0043604)	554	27	5.39	5.01	7.51E-08
viral transcription (GO:0019083)	115	10	1.12	8.94	2.14E-03
> viral gene expression (GO:0019080)	126	12	1.23	9.79	4.96E-05
> multi-organism metabolic process (GO:0044033)	145	12	1.41	8.51	2.28E-04
nuclear-transcribed mRNA catabolic process, nonsense-mediated decay (GO:0000184)	120	10	1.17	8.57	3.15E-03
> nuclear-transcribed mRNA catabolic process (GO:0000956)	197	11	1.92	5.74	3.86E-02
> mRNA catabolic process (GO:0006402)	209	13	2.03	6.39	1.57E-03
> RNA catabolic process (GO:0006401)	236	14	2.3	6.1	9.28E-04
ribosome biogenesis (GO:0042254)	329	14	3.2	4.37	4.43E-02
> ribonucleoprotein complex biogenesis (GO:0022613)	468	17	4.55	3.73	3.50E-02

Supplement 3 – GO analysis of PD vs. CKD5

Analysis Type: PANTHER Overrepresentation Test (release 20160715)
 Annotation Version and Release Date: GO Ontology database Released 2016-11-30
 Analyzed List: upload (Homo sapiens)
 Reference List: Homo sapiens (all genes in database)
 Bonferroni correction: TRUE
 Bonferroni count: 8330

GO biological process complete	Homo sapiens - reflight (20972)	observed (of 90)	expected	fold enrichment	p-value
complement activation, alternative pathway (GO:0006957)	13	4	0.06	71.7	3.01E-03
> response to stimulus (GO:0050896)	7720	55	33.13	1.66	2.07E-02
> response to stress (GO:0006950)	3367	34	14.45	2.35	4.57E-03
> positive regulation of biological process (GO:0048518)	5267	44	22.6	1.95	8.39E-03
> regulation of biological process (GO:0050789)	10998	69	47.2	1.46	1.58E-02
> biological regulation (GO:0065007)	11627	72	49.9	1.44	7.76E-03
> regulation of immune system process (GO:0002682)	1467	20	6.3	3.18	2.77E-02
> regulation of response to stimulus (GO:0048583)	3767	37	16.17	2.29	2.15E-03
regulation of complement activation (GO:0030449)	33	5	0.14	35.31	3.16E-03
> regulation of acute inflammatory response (GO:0002673)	76	6	0.33	18.4	9.05E-03
> regulation of inflammatory response (GO:0050727)	315	10	1.35	7.4	9.32E-03
> regulation of response to stress (GO:0080134)	1387	19	5.95	3.19	4.78E-02
> regulation of humoral immune response (GO:0002920)	51	5	0.22	22.85	2.62E-02
> regulation of protein activation cascade (GO:2000257)	35	5	0.15	33.29	4.21E-03
Rho protein signal transduction (GO:0007266)	53	5	0.23	21.98	3.16E-02
> Ras protein signal transduction (GO:0007265)	147	8	0.63	12.68	2.26E-03
response to TGF beta (GO:0071559)	149	7	0.64	10.95	3.40E-02
> response to organic substance (GO:0010033)	2669	28	11.45	2.44	3.43E-02
regulation of cell proliferation (GO:0042127)	1575	21	6.76	3.11	2.11E-02
reg. of multicellular organismal devel. (GO:2000026)	1743	22	7.48	2.94	2.82E-02
> reg. of multicellular organismal process (GO:0051239)	2690	28	11.54	2.43	3.99E-02
> regulation of developmental process (GO:0050793)	2296	27	9.85	2.74	6.10E-03
regulation of molecular function (GO:0065009)	2894	30	12.42	2.42	1.71E-02
system development (GO:0048731)	4042	36	17.35	2.08	3.78E-02
> developmental process (GO:0032502)	5333	45	22.89	1.97	4.12E-03
> single-organism developmental process (GO:0044767)	5239	44	22.48	1.96	7.18E-03
negative regulation of cellular process (GO:0048523)	4281	38	18.37	2.07	1.84E-02
> negative regulation of biological process (GO:0048519)	4622	41	19.84	2.07	5.33E-03

Supplementary Table 4 - Identified proteins

Accession	Entry name	Protein names	Length	Gene symbol	Peptides	Razor peptides	Unique peptides	Seq. Cov (%)	Mol weight (kDa)
P31946	1433B_HUMAN	14-3-3 protein beta/alpha (Protein 1054) (Protein kinase C inhibitor protein 1) (KCIP	246	YWHAB	12	6	6	57.3	28.082
P62258	1433E_HUMAN	14-3-3 protein epsilon (14-3-3E)	255	YWHAE	22	22	19	77.6	29.174
Q04917	1433F_HUMAN	14-3-3 protein eta (Protein AS1)	246	YWHAH	14	11	11	64.2	28.218
P61981	1433G_HUMAN	14-3-3 protein gamma (Protein kinase C inhibitor protein 1) (KCIP-1) [Cleaved into:	247	YWHAG	17	14	13	70	28.302
P31947	1433S_HUMAN	14-3-3 protein sigma (Epithelial cell marker protein 1) (Stratifin)	248	SFN	4	1	1	13.3	27.774
P27348	1433T_HUMAN	14-3-3 protein theta (14-3-3 protein T-cell) (14-3-3 protein tau) (Protein HS1)	245	YWHAQ	16	11	11	56.7	27.764
P63104	1433Z_HUMAN	14-3-3 protein zeta/delta (Protein kinase C inhibitor protein 1) (KCIP-1)	245	YWHAZ	19	16	14	73.1	27.745
P04439	1A03_HUMAN	HLA class I histocompatibility antigen, A-3 alpha chain (MHC class I antigen A*3)	365	HLA-A	13	13	3	47.4	40.84
P16188	1A30_HUMAN	HLA class I histocompatibility antigen, A-30 alpha chain (MHC class I antigen A*30)	365	HLA-A	9	1	1	35.9	40.904
P30455	1A36_HUMAN	HLA class I histocompatibility antigen, A-36 alpha chain (Aw-36) (MHC class I antig	365	HLA-A	10	2	2	40	40.933
P01891	1A68_HUMAN	HLA class I histocompatibility antigen, A-68 alpha chain (Aw-68) (HLA class I histoc	365	HLA-A	9	1	1	31.2	40.908
P01889	1B07_HUMAN	HLA class I histocompatibility antigen, B-7 alpha chain (MHC class I antigen B*7)	362	HLA-B	11	9	2	40.1	40.46
P18465	1B57_HUMAN	HLA class I histocompatibility antigen, B-57 alpha chain (Bw-57) (MHC class I antig	362	HLA-B	9	2	1	38.1	40.224
Q15172	2A5A_HUMAN	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform (	486	PPP2R5A	4	4	4	11.3	56.193
Q14738	2A5D_HUMAN	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform (I	602	PPP2R5D	4	4	4	8.3	69.991
P30153	2AAA_HUMAN	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	589	PPP2R1A	15	15	15	29.9	65.308
P63151	2ABA_HUMAN	Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform	447	PPP2R2A	6	6	6	16.1	51.691
P20039	2B1B_HUMAN	HLA class II histocompatibility antigen, DRB1-11 beta chain (DR-5) (DR5) (DRw11)	266	HLA-DRB1	6	1	1	27.1	30.16
Q9Y3L3	3BP1_HUMAN	SH3 domain-binding protein 1 (3BP-1)	701	SH3BP1	1	1	1	1.4	75.712
P31937	3HIDH_HUMAN	3-hydroxyisobutyrate dehydrogenase, mitochondrial (HIBADH) (EC 1.1.1.31)	336	HIBADH	5	5	5	24.1	35.329
P11171	41_HUMAN	Protein 4.1 (P4.1) (4.1R) (Band 4.1) (EPB4.1)	864	EPB41	17	15	14	24.9	97.016
P08195	4F2_HUMAN	4F2 cell-surface antigen heavy chain (4F2hc) (4F2 heavy chain antigen) (Lymphoc	630	SLC3A2	6	6	6	12.4	67.993
P49902	5NTC_HUMAN	Cytosolic purine 5'-nucleotidase (EC 3.1.3.5) (Cytosolic 5'-nucleotidase II)	561	NT5C2	3	3	3	5.5	64.969
P21589	5NTD_HUMAN	5'-nucleotidase (5'-NT) (EC 3.1.3.5) (Ecto-5'-nucleotidase) (CD antigen CD73)	574	NT5E	10	10	10	22.5	63.367
P56378	68MP_HUMAN	6.8 kDa mitochondrial proteolipid	58	MP68	1	1	1	15.5	6.662
P52209	6PGD_HUMAN	6-phosphogluconate dehydrogenase, decarboxylating (EC 1.1.1.44)	483	PGD	21	21	21	44.9	53.139
O95336	6PGL_HUMAN	6-phosphogluconolactonase (6PGL) (EC 3.1.1.31)	258	PGLS	6	6	6	34.9	27.547
Q8I283	A16A1_HUMAN	Aldehyde dehydrogenase family 16 member A1	802	ALDH16A1	8	8	8	13.2	85.126
P02763	A1AG1_HUMAN	Alpha-1-acid glycoprotein 1 (AGP 1) (Orosomucoid-1) (OMD 1)	201	ORM1	9	9	6	45.3	23.511
P19652	A1AG2_HUMAN	Alpha-1-acid glycoprotein 2 (AGP 2) (Orosomucoid-2) (OMD 2)	201	ORM2	7	4	4	36.3	23.602
P01009	A1AT_HUMAN	Alpha-1-antitrypsin (Alpha-1 protease inhibitor) (Alpha-1-antiprotease) (Serpin A1	418	SERPINA1	30	30	30	67.2	46.736
P04217	A1BG_HUMAN	Alpha-1B-glycoprotein (Alpha-1-B glycoprotein)	495	A1BG	11	11	11	23.6	54.253
P08697	A2AP_HUMAN	Alpha-2-antiplasmin (Alpha-2-AP) (Alpha-2-plasmin inhibitor) (Alpha-2-PI) (Serpin F	491	SERPINF2	10	10	10	21.4	54.565
P02750	A2GL_HUMAN	Leucine-rich alpha-2-glycoprotein (LRG)	347	LRG1	10	10	10	33.7	38.177
P01023	A2MG_HUMAN	Alpha-2-macroglobulin (Alpha-2-M) (C3 and PZP-like alpha-2-macroglobulin domai	1474	A2M	61	61	49	54.3	163.29
P05067	A4_HUMAN	Amyloid beta A4 protein (ABPP) (APPI) (APP) (Alzheimer disease amyloid protein)	770	APP	2	2	2	2.2	86.942
Q15758	AAAT_HUMAN	Neutral amino acid transporter B(0) (ATB(0)) (Baboon M7 virus receptor) (RD114/s	541	SLC1A5	3	3	3	7.6	56.598
P01011	AACT_HUMAN	Alpha-1-antichymotrypsin (ACT) (Cell growth-inhibiting gene 24/25 protein) (Serpin	423	SERPINA3	14	14	14	33.8	47.65
Q2M218	AAK1_HUMAN	AP2-associated protein kinase 1 (EC 2.7.11.1) (Adaptor-associated kinase 1)	961	AAK1	2	2	2	3.2	103.88
Q9Y478	AAKB1_HUMAN	5'-AMP-activated protein kinase subunit beta-1 (AMPK subunit beta-1) (AMPKb)	270	PRKAB1	1	1	1	7	30.382
P54619	AAKG1_HUMAN	5'-AMP-activated protein kinase subunit gamma-1 (AMPK gamma1) (AMPK subuni	331	PRKAG1	6	6	6	21.1	37.579
Q9H7C9	AAMDC_HUMAN	Mth938 domain-containing protein (Adipogenesis associated Mth938 domain-conta	122	AAMDC	5	5	5	49.2	13.332
Q13131	AAPK1_HUMAN	5'-AMP-activated protein kinase catalytic subunit alpha-1 (AMPK subunit alpha-1) (	559	PRKAA1	6	6	6	11.8	64.009
Q9BTE6	AASD1_HUMAN	Alanyl-tRNA editing protein Aarsd1 (Alanyl-tRNA synthetase domain-containing pro	412	AASD1	1	1	1	1.9	45.479
Q9UDR5	AASS_HUMAN	Alpha-aminoadipic semialdehyde synthase, mitochondrial (LKR/SDH) [Includes: Ly	926	AASS	5	5	5	6.7	102.13
P17174	AATC_HUMAN	Aspartate aminotransferase, cytoplasmic (cAspAT) (EC 2.6.1.1) (EC 2.6.1.3) (Cyst	413	GOT1	9	9	9	29.3	46.247
P00505	AATM_HUMAN	Aspartate aminotransferase, mitochondrial (mAspAT) (EC 2.6.1.1) (EC 2.6.1.7) (Fa	430	GOT2	8	8	8	22.8	47.517
Q8N139	ABCA6_HUMAN	ATP-binding cassette sub-family A member 6	1617	ABCA6	2	2	2	1.7	184.28

O94911	ABCA8_HUMAN	ATP-binding cassette sub-family A member 8	1581	ABCA8	6	6	6	4.7	179.24
Q9NP58	ABCB6_HUMAN	ATP-binding cassette sub-family B member 6, mitochondrial (Mitochondrial ABC tra	842	ABCB6	3	3	3	5.6	93.884
O75027	ABCB7_HUMAN	ATP-binding cassette sub-family B member 7, mitochondrial (ATP-binding cassette	752	ABCB7	1	1	1	2.3	82.64
Q9NUT2	ABCB8_HUMAN	ATP-binding cassette sub-family B member 8, mitochondrial (Mitochondrial ATP-bir	735	ABCB8	1	1	1	1.2	79.988
P28288	ABCD3_HUMAN	ATP-binding cassette sub-family D member 3 (70 kDa peroxisomal membrane prot	659	ABCD3	2	2	2	3.8	75.475
P61221	ABCE1_HUMAN	ATP-binding cassette sub-family E member 1 (2'-5'-oligoadenylate-binding protein)	599	ABCE1	6	6	6	11	67.314
Q8NE71	ABCF1_HUMAN	ATP-binding cassette sub-family F member 1 (ATP-binding cassette 50) (TNF-alpha	845	ABCF1	9	9	9	13.8	95.925
Q9UG63	ABCF2_HUMAN	ATP-binding cassette sub-family F member 2 (Iron-inhibited ABC transporter 2)	623	ABCF2	2	2	2	3.9	71.289
Q8WTS1	ABHD5_HUMAN	1-acylglycerol-3-phosphate O-acyltransferase ABHD5 (EC 2.3.1.51) (Abhydrolase c	349	ABHD5	3	3	3	15.2	39.095
Q9NUJ1	ABHDA_HUMAN	Mycophenolic acid acyl-glucuronide esterase, mitochondrial (EC 3.1.1.93) (Alpha/b	306	ABHDA	3	3	3	11.8	33.932
Q96IU4	ABHEB_HUMAN	Protein ABHD14B (EC 3.-.-.-) (Alpha/beta hydrolase domain-containing protein 14E	210	ABHD14B	9	9	9	58.6	22.345
Q8IZP0	ABI1_HUMAN	Abl interactor 1 (Abelson interactor 1) (Abi-1) (Abl-binding protein 4) (AblBP4) (Epsi	508	ABI1	3	3	2	8.9	55.08
Q9NYB9	ABI2_HUMAN	Abl interactor 2 (Abelson interactor 2) (Abi-2) (Abl-binding protein 3) (AblBP3) (Arg-	513	ABI2	2	1	1	5.7	55.663
Q9P2A4	ABI3_HUMAN	ABI gene family member 3 (New molecule including SH3) (Nesh)	366	ABI3	1	1	1	4.4	39.035
O14639	ABLM1_HUMAN	Actin-binding LIM protein 1 (abLIM-1) (Actin-binding LIM protein family member 1) (	778	ABLM1	8	8	8	10.9	87.687
O94929	ABLM3_HUMAN	Actin-binding LIM protein 3 (abLIM-3) (Actin-binding LIM protein family member 3)	683	ABLM3	4	4	4	6.3	77.801
Q12979	ABR_HUMAN	Active breakpoint cluster region-related protein	859	ABR	3	3	3	3.5	97.597
Q13085	ACACA_HUMAN	Acetyl-CoA carboxylase 1 (ACC1) (EC 6.4.1.2) (ACC-alpha) [Includes: Biotin carbo	2346	ACACA	23	16	16	12.4	265.55
O00763	ACACB_HUMAN	Acetyl-CoA carboxylase 2 (EC 6.4.1.2) (ACC-beta) [Includes: Biotin carboxylase (E	2458	ACACB	35	35	28	16.9	276.54
Q9UKU7	ACAD8_HUMAN	Isobutyryl-CoA dehydrogenase, mitochondrial (EC 1.3.99.-) (Activator-recruited cof	415	ACAD8	5	5	5	12	45.069
Q9H845	ACAD9_HUMAN	Acyl-CoA dehydrogenase family member 9, mitochondrial (ACAD-9) (EC 1.3.99.-)	621	ACAD9	9	9	9	17.6	68.76
P28330	ACADL_HUMAN	Long-chain specific acyl-CoA dehydrogenase, mitochondrial (LCAD) (EC 1.3.8.8)	430	ACADL	4	4	4	11.4	47.655
P11310	ACADM_HUMAN	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial (MCAD) (EC 1.3.8.	421	ACADM	17	17	17	42.3	46.588
P16219	ACADS_HUMAN	Short-chain specific acyl-CoA dehydrogenase, mitochondrial (SCAD) (EC 1.3.8.1) (	412	ACADS	13	13	13	45.9	44.297
P49748	ACADV_HUMAN	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial (VLCAD) (EC 1.3.	655	ACADV	26	26	26	49.8	70.389
Q15057	ACAP2_HUMAN	Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2 (Centaur	778	ACAP2	7	7	7	9.9	88.028
P07108	ACBP_HUMAN	Acyl-CoA-binding protein (ACBP) (Diazepam-binding inhibitor) (DBI) (Endozepine)	87	DBI	6	6	6	70.1	10.044
Q709F0	ACD11_HUMAN	Acyl-CoA dehydrogenase family member 11 (ACAD-11) (EC 1.3.99.-)	780	ACAD11	1	1	1	2.2	87.282
P45954	ACDSB_HUMAN	Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial (SBCAD) (E	432	ACDSB	8	8	8	23.8	47.485
P12821	ACE_HUMAN	Angiotensin-converting enzyme (ACE) (EC 3.2.1.-) (EC 3.4.15.1) (Dipeptidyl carbox	1306	ACE	6	6	6	6.1	149.71
Q9UKV3	ACINU_HUMAN	Apoptotic chromatin condensation inducer in the nucleus (Acinus)	1341	ACIN1	12	12	12	9.8	151.86
Q96019	ACL6A_HUMAN	Actin-like protein 6A (53 kDa BRG1-associated factor A) (Actin-related protein Baf5	429	ACTL6A	4	4	4	8.9	47.46
P53396	ACLY_HUMAN	ATP-citrate synthase (EC 2.3.3.8) (ATP-citrate (pro-S-)-lyase) (ACL) (Citrate cleava	1101	ACLY	29	29	29	31.5	120.84
Q9NPJ3	ACO13_HUMAN	Acyl-coenzyme A thioesterase 13 (Acyl-CoA thioesterase 13) (EC 3.1.2.-) (Thioeste	140	ACOT13	1	1	1	8.6	14.96
P21399	ACOC_HUMAN	Cytoplasmic aconitase hydratase (Aconitase) (EC 4.2.1.3) (Citrate hydro-lyase) (Fe	889	ACO1	30	30	28	37	98.398
O00767	ACOD_HUMAN	Acyl-CoA desaturase (EC 1.14.19.1) (Delta(9)-desaturase) (Delta-9 desaturase) (F	359	SCD	1	1	1	3.6	41.522
Q99798	ACON_HUMAN	Aconitase hydratase, mitochondrial (Aconitase) (EC 4.2.1.3) (Citrate hydro-lyase)	780	ACO2	33	33	33	47.3	85.424
Q86TX2	ACOT1_HUMAN	Acyl-coenzyme A thioesterase 1 (Acyl-CoA thioesterase 1) (EC 3.1.2.2) (CTE-I) (C'	421	ACOT1	15	15	15	38	46.277
Q9Y305	ACOT9_HUMAN	Acyl-coenzyme A thioesterase 9, mitochondrial (Acyl-CoA thioesterase 9) (EC 3.1.2.	439	ACOT9	8	8	8	21.9	49.901
P13798	ACPH_HUMAN	Acylamino-acid-releasing enzyme (AARE) (EC 3.4.19.1) (Acyl-peptide hydrolase) (u	732	APEH	15	15	15	23.5	81.224
O14561	ACPM_HUMAN	Acyl carrier protein, mitochondrial (ACP) (Cl-SDAP) (NADH-ubiquinone oxidoreduc	156	NDUFAB1	2	2	2	9.6	17.417
Q9NUB1	ACS2L_HUMAN	Acetyl-coenzyme A synthetase 2-like, mitochondrial (EC 6.2.1.1) (Acetate--CoA lig	689	ACSS1	3	3	3	4.8	74.856
Q9NR19	ACSA_HUMAN	Acetyl-coenzyme A synthetase, cytoplasmic (EC 6.2.1.1) (Acetate--CoA ligase) (Ac	701	ACSS2	13	13	13	21.4	78.579
Q96CM8	ACSF2_HUMAN	Acyl-CoA synthetase family member 2, mitochondrial (EC 6.2.1.-)	615	ACSF2	16	16	16	29.8	68.124
Q4G176	ACSF3_HUMAN	Acyl-CoA synthetase family member 3, mitochondrial (EC 6.2.1.-)	576	ACSF3	4	4	4	7.5	64.129
P33121	ACSL1_HUMAN	Long-chain-fatty-acid--CoA ligase 1 (EC 6.2.1.3) (Acyl-CoA synthetase 1) (ACS1) (	698	ACSL1	30	30	29	42	77.942
O95573	ACSL3_HUMAN	Long-chain-fatty-acid--CoA ligase 3 (EC 6.2.1.3) (Long-chain acyl-CoA synthetase	720	ACSL3	5	5	3	10.1	80.419
O60488	ACSL4_HUMAN	Long-chain-fatty-acid--CoA ligase 4 (EC 6.2.1.3) (Long-chain acyl-CoA synthetase	711	ACSL4	5	3	3	10.4	79.187
Q9ULC5	ACSL5_HUMAN	Long-chain-fatty-acid--CoA ligase 5 (EC 6.2.1.3) (Long-chain acyl-CoA synthetase	683	ACSL5	2	1	1	2.9	75.99
Q9H6R3	ACSS3_HUMAN	Acyl-CoA synthetase short-chain family member 3, mitochondrial (EC 6.2.1.1) (Acy	686	ACSS3	5	5	5	9.5	74.777
P62736	ACTA_HUMAN	Actin, aortic smooth muscle (Alpha-actin-2) (Cell growth-inhibiting gene 46 protein)	377	ACTA2	25	25	1	73.2	42.009
P60709	ACTB_HUMAN	Actin, cytoplasmic 1 (Beta-actin) [Cleaved into: Actin, cytoplasmic 1, N-terminally pr	375	ACTB	24	10	1	66.9	41.736

Q9BYX7	ACTBM_HUMAN	Putative beta-actin-like protein 3 (Kappa-actin) (POTE ankyrin domain family memt	375 POTEKP	4	1	1	15.2	42.016
P63261	ACTG_HUMAN	Actin, cytoplasmic 2 (Gamma-actin) [Cleaved into: Actin, cytoplasmic 2, N-terminall	375 ACTG1	24	1	1	66.9	41.792
P12814	ACTN1_HUMAN	Alpha-actinin-1 (Alpha-actinin cytoskeletal isoform) (F-actin cross-linking protein) (N	892 ACTN1	53	34	34	66.8	103.06
O43707	ACTN4_HUMAN	Alpha-actinin-4 (Non-muscle alpha-actinin 4)	911 ACTN4	61	61	41	69.6	104.85
P42025	ACTY_HUMAN	Beta-centractin (Actin-related protein 1B) (ARP1B)	376 ACTR1B	7	5	5	23.9	42.293
P61163	ACTZ_HUMAN	Alpha-centractin (Centractin) (ARP1) (Actin-RPV) (Centrosome-associated actin hc	376 ACTR1A	11	11	9	34.6	42.613
Q03154	ACY1_HUMAN	Aminoacylase-1 (ACY-1) (EC 3.5.1.14) (N-acyl-L-amino-acid amidohydrolase)	408 ACY1	8	8	8	23.8	45.884
P45381	ACY2_HUMAN	Aspartoacylase (EC 3.5.1.15) (Aminoacylase-2) (ACY-2)	313 ASPA	3	3	3	16	35.735
P14621	ACYP2_HUMAN	Acylphosphatase-2 (EC 3.6.1.7) (Acylphosphatase, muscle type isozyme) (Acylpho	99 ACYP2	2	2	2	20.2	11.139
P00813	ADA_HUMAN	Adenosine deaminase (EC 3.5.4.4) (Adenosine aminohydrolase)	363 ADA	1	1	1	3	40.764
O14672	ADA10_HUMAN	Disintegrin and metalloproteinase domain-containing protein 10 (ADAM 10) (EC 3.4	748 ADAM10	1	1	1	1.5	84.141
P78536	ADA17_HUMAN	Disintegrin and metalloproteinase domain-containing protein 17 (ADAM 17) (EC 3.4	824 ADAM17	2	2	2	2.4	93.02
O00116	ADAS_HUMAN	Alkylidihydroxyacetonephosphate synthase, peroxisomal (Alkyl-DHAP synthase) (Ei	658 AGPS	2	2	2	4.7	72.911
P35611	ADDA_HUMAN	Alpha-adducin (Erythrocyte adducin subunit alpha)	737 ADD1	19	19	18	29.6	80.954
P35612	ADDB_HUMAN	Beta-adducin (Erythrocyte adducin subunit beta)	726 ADD2	5	4	4	6.7	80.853
Q9UEY8	ADDG_HUMAN	Gamma-adducin (Adducin-like protein 70)	706 ADD3	13	13	12	25.4	79.154
P00325	ADH1B_HUMAN	Alcohol dehydrogenase 1B (EC 1.1.1.1) (Alcohol dehydrogenase subunit beta)	375 ADH1B	20	20	6	53.9	39.854
P00326	ADH1G_HUMAN	Alcohol dehydrogenase 1C (EC 1.1.1.1) (Alcohol dehydrogenase subunit gamma)	375 ADH1C	13	2	1	29.1	39.867
P11766	ADHX_HUMAN	Alcohol dehydrogenase class-3 (EC 1.1.1.1) (Alcohol dehydrogenase 5) (Alcohol de	374 ADH5	13	13	13	36.4	39.724
Q15848	ADIPO_HUMAN	Adiponectin (30 kDa adipocyte complement-related protein) (Adipocyte complemen	244 ADIPOQ	2	2	2	12.3	26.413
Q15847	ADIRF_HUMAN	Adipogenesis regulatory factor (Adipogenesis factor rich in obesity) (Adipose most	76 ADIRF	5	5	5	78.9	7.8547
P55263	ADK_HUMAN	Adenosine kinase (AK) (EC 2.7.1.20) (Adenosine 5'-phosphotransferase)	362 ADK	6	6	6	22.7	40.545
Q9BRR6	ADPGK_HUMAN	ADP-dependent glucokinase (ADP-GK) (ADPGK) (EC 2.7.1.147) (RbBP-35)	497 ADPGK	1	1	1	2.6	54.088
P54922	ADPRH_HUMAN	[Protein ADP-ribosylarginine] hydrolase (ADP-ribosylarginine hydrolase) (EC 3.2.2.	357 ADPRH	1	1	1	2.5	39.506
Q16186	ADRM1_HUMAN	Proteasomal ubiquitin receptor ADRM1 (110 kDa cell membrane glycoprotein) (Gp	407 ADRM1	3	3	3	9.8	42.153
P22570	ADRO_HUMAN	NADPH:adrenodoxin oxidoreductase, mitochondrial (AR) (Adrenodoxin reductase)	491 FDXR	4	4	4	10.2	53.836
Q9Y6U3	ADSV_HUMAN	Adseverin (Scinderin)	715 SCIN	1	1	1	1.3	80.488
P12235	ADT1_HUMAN	ADP/ATP translocase 1 (ADP,ATP carrier protein 1) (ADP,ATP carrier protein, hea	298 SLC25A4	13	3	3	38.6	33.064
P05141	ADT2_HUMAN	ADP/ATP translocase 2 (ADP,ATP carrier protein 2) (ADP,ATP carrier protein, fibrc	298 SLC25A5	17	17	6	45.3	32.852
P12236	ADT3_HUMAN	ADP/ATP translocase 3 (ADP,ATP carrier protein 3) (ADP,ATP carrier protein, isof	298 SLC25A6	14	4	1	40.6	32.866
Q8IUJ7	AEBP1_HUMAN	Adipocyte enhancer-binding protein 1 (AE-binding protein 1) (Aortic carboxypeptida	1158 AEBP1	17	17	17	18.2	130.93
Q8N4X5	AF1L2_HUMAN	Actin filament-associated protein 1-like 2 (AFAP1-like protein 2)	818 AFAP1L2	3	3	3	6.1	91.299
P55196	AFAD_HUMAN	Afadin (ALL1-fused gene from chromosome 6 protein) (Protein AF-6) (Afadin adhe	1824 AFDN	10	10	10	6.8	206.8
P43652	AFAM_HUMAN	Afamin (Alpha-albumin) (Alpha-Alb)	599 AFM	15	15	15	28.2	69.068
Q9Y4W6	AFG32_HUMAN	AFG3-like protein 2 (EC 3.4.24.-) (Paraplegin-like protein)	797 AFG3L2	9	9	9	12.4	88.583
P52594	AGFG1_HUMAN	Arf-GAP domain and FG repeat-containing protein 1 (HIV-1 Rev-binding protein) (N	562 AGFG1	5	5	5	14.2	58.259
Q53H12	AGK_HUMAN	Acylglycerol kinase, mitochondrial (hAGK) (EC 2.7.1.107) (EC 2.7.1.94) (Multiple su	422 AGK	6	6	6	14.5	47.137
O95394	AGM1_HUMAN	Phosphoacetylglucosamine mutase (PAGM) (EC 5.4.2.3) (Acetylglucosamine phos	542 PGM3	6	6	6	14.2	59.851
Q9UL18	AGO1_HUMAN	Protein argonaute-1 (Argonaute1) (hAgo1) (Argonaute RISC catalytic component 1	857 AGO1	5	5	5	7.1	97.213
Q9UKV8	AGO2_HUMAN	Protein argonaute-2 (Argonaute2) (hAgo2) (EC 3.1.26.n2) (Argonaute RISC cataly	859 AGO2	5	5	5	6.1	97.207
Q96PE1	AGRA2_HUMAN	Adhesion G protein-coupled receptor A2 (G-protein coupled receptor 124) (Tumor e	1338 ADGRA2	1	1	1	1.2	142.65
O00468	AGRIN_HUMAN	Agrin [Cleaved into: Agrin N-terminal 110 kDa subunit; Agrin C-terminal 110 kDa su	2067 AGRN	40	40	40	28.8	217.23
Q09666	AHNK_HUMAN	Neuroblast differentiation-associated protein AHNK (Desmoyokin)	5890 AHNK	256	256	254	66.2	629.09
Q8IVF2	AHNK2_HUMAN	Protein AHNK2	5795 AHNK2	11	9	9	9.2	616.62
P35869	AHR_HUMAN	Aryl hydrocarbon receptor (Ah receptor) (Ahr) (Class E basic helix-loop-helix prote	848 AHR	2	2	2	3.1	96.146
Q95433	AHSA1_HUMAN	Activator of 90 kDa heat shock protein ATPase homolog 1 (AHA1) (p38)	338 AHSA1	4	4	4	14.2	38.274
Q9NZD4	AHSP_HUMAN	Alpha-hemoglobin-stabilizing protein (Erythroid differentiation-related factor) (Erythr	102 AHSP	2	2	2	22.5	11.84
Q96BJ3	AIDA_HUMAN	Axin interactor, dorsalization-associated protein (Axin interaction partner and dorsa	306 AIDA	3	3	3	16.3	35.023
P55008	AIF1_HUMAN	Allograft inflammatory factor 1 (AIF-1) (Ionized calcium-binding adapter molecule 1,	147 AIF1	6	6	6	40.1	16.703
Q9BQ10	AIF1L_HUMAN	Allograft inflammatory factor 1-like (Ionized calcium-binding adapter molecule 2)	150 AIF1L	3	3	3	21.3	17.068
Q95831	AIFM1_HUMAN	Apoptosis-inducing factor 1, mitochondrial (EC 1.1.1.-) (Programmed cell death pro	613 AIFM1	19	19	19	34.1	66.9
Q9BRQ8	AIFM2_HUMAN	Apoptosis-inducing factor 2 (EC 1.-.-) (Apoptosis-inducing factor homologous mit	373 AIFM2	4	4	4	15.3	40.526

Q9Y4K1	AIM1_HUMAN	Absent in melanoma 1 protein (Beta/gamma crystallin domain-containing protein 1)	1723	AIM1	1	1	1	0.7	188.67
Q12904	AIMP1_HUMAN	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (Multisynthase)	312	AIMP1	4	4	4	18.9	34.352
Q13155	AIMP2_HUMAN	Aminoacyl tRNA synthase complex-interacting multifunctional protein 2 (Multisynthase)	320	AIMP2	3	3	3	12.5	35.348
Q16352	AINX_HUMAN	Alpha-internexin (Alpha-Inx) (66 kDa neurofilament protein) (NF-66) (Neurofilament protein)	499	INA	5	4	4	9.8	55.39
O00170	AIP_HUMAN	AH receptor-interacting protein (AIP) (Aryl-hydrocarbon receptor-interacting protein)	330	AIP	8	8	8	31.2	37.636
P14550	AK1A1_HUMAN	Alcohol dehydrogenase [NADP(+)] (EC 1.1.1.2) (Aldehyde reductase) (Aldo-keto reductase)	325	AKR1A1	12	12	12	41.8	36.573
Q04828	AK1C1_HUMAN	Aldo-keto reductase family 1 member C1 (EC 1.1.1.-) (20-alpha-hydroxysteroid dehydrogenase)	323	AKR1C1	10	10	5	32.2	36.788
P42330	AK1C3_HUMAN	Aldo-keto reductase family 1 member C3 (EC 1.-.-) (17-beta-hydroxysteroid dehydrogenase)	323	AKR1C3	6	1	1	15.8	36.853
P51857	AK1D1_HUMAN	3-oxo-5-beta-steroid 4-dehydrogenase (EC 1.3.1.3) (Aldo-keto reductase family 1 member C4)	326	AKR1D1	1	1	1	2.8	37.376
Q02952	AKA12_HUMAN	A-kinase anchor protein 12 (AKAP-12) (A-kinase anchor protein 250 kDa) (AKAP2)	1782	AKAP12	59	59	59	43	191.48
Q9Y2D5	AKAP2_HUMAN	A-kinase anchor protein 2 (AKAP-2) (AKAP-KL) (Protein kinase A-anchoring protein)	859	AKAP2	13	13	13	23.5	94.659
Q7Z591	AKNA_HUMAN	AT-hook-containing transcription factor	1439	AKNA	1	1	1	0.6	155.14
P31749	AKT1_HUMAN	RAC-alpha serine/threonine-protein kinase (EC 2.7.11.1) (Protein kinase B) (PKB) (Rac-1)	480	AKT1	4	4	3	10.2	55.686
P31751	AKT2_HUMAN	RAC-beta serine/threonine-protein kinase (EC 2.7.11.1) (Protein kinase Akt-2) (Protein kinase B)	481	AKT2	3	2	2	6.7	55.768
P00352	AL1A1_HUMAN	Retinal dehydrogenase 1 (RALDH1) (RalDH1) (EC 1.2.1.-) (EC 1.2.1.36) (ALDH-E)	501	ALDH1A1	18	16	16	45.5	54.861
O94788	AL1A2_HUMAN	Retinal dehydrogenase 2 (RALDH2) (RalDH2) (EC 1.2.1.36) (Aldehyde dehydrogenase)	518	ALDH1A2	10	8	7	23.7	56.723
P47895	AL1A3_HUMAN	Aldehyde dehydrogenase family 1 member A3 (EC 1.2.1.5) (Aldehyde dehydrogenase)	512	ALDH1A3	9	7	7	17.4	56.108
P30837	AL1B1_HUMAN	Aldehyde dehydrogenase X, mitochondrial (EC 1.2.1.3) (Aldehyde dehydrogenase)	517	ALDH1B1	13	12	12	28.4	57.206
O75891	AL1L1_HUMAN	Cytosolic 10-formyltetrahydrofolate dehydrogenase (10-FTHFDH) (FDH) (EC 1.5.1.3)	902	ALDH1L1	28	28	25	39.2	98.828
Q3SY69	AL1L2_HUMAN	Mitochondrial 10-formyltetrahydrofolate dehydrogenase (Mitochondrial 10-FTHFDH)	923	ALDH1L2	8	5	5	9.6	101.74
P51648	AL3A2_HUMAN	Fatty aldehyde dehydrogenase (EC 1.2.1.3) (Aldehyde dehydrogenase 10) (Aldehyde dehydrogenase)	485	ALDH3A2	8	8	8	18.6	54.847
P30038	AL4A1_HUMAN	Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial (P5C dehydrogenase)	563	ALDH4A1	10	10	10	24.5	61.719
P49419	AL7A1_HUMAN	Alpha-aminoadipic semialdehyde dehydrogenase (Alpha-AASA dehydrogenase) (E3)	539	ALDH7A1	11	11	11	30.4	58.486
P49189	AL9A1_HUMAN	4-trimethylaminobutyraldehyde dehydrogenase (TMABADH) (EC 1.2.1.47) (Aldehyde dehydrogenase)	494	ALDH9A1	19	19	19	46.8	53.801
P24298	ALAT1_HUMAN	Alanine aminotransferase 1 (ALT1) (EC 2.6.1.2) (Glutamate pyruvate transaminase)	496	GPT	6	6	6	17.1	54.636
Q8TD30	ALAT2_HUMAN	Alanine aminotransferase 2 (ALT2) (EC 2.6.1.2) (Glutamate pyruvate transaminase)	523	GPT2	2	2	2	5.4	57.903
P02768	ALBU_HUMAN	Serum albumin	609	ALB	66	66	61	86.7	69.366
P05091	ALDH2_HUMAN	Aldehyde dehydrogenase, mitochondrial (EC 1.2.1.3) (ALDH class 2) (ALDH-E2) (Aldo-keto reductase)	517	ALDH2	20	20	17	50.9	56.381
P04075	ALDOA_HUMAN	Fructose-bisphosphate aldolase A (EC 4.1.2.13) (Lung cancer antigen NY-LU-1) (Mannose-bisphosphate aldolase)	364	ALDOA	23	23	17	67.6	39.42
P09972	ALDOC_HUMAN	Fructose-bisphosphate aldolase C (EC 4.1.2.13) (Brain-type aldolase)	364	ALDOC	16	10	10	47	39.455
P15121	ALDR_HUMAN	Aldose reductase (AR) (EC 1.1.1.21) (Aldehyde reductase) (Aldo-keto reductase family 1 member A1)	316	AKR1B1	6	6	6	21.2	35.853
Q9BT22	ALG1_HUMAN	Chitobiosyldiphosphodolichol beta-mannosyltransferase (EC 2.4.1.142) (Asparaginase)	464	ALG1	3	3	3	5.8	52.518
Q9Y673	ALG5_HUMAN	Dolichyl-phosphate beta-glucosyltransferase (DoIP-glucosyltransferase) (EC 2.4.1.10)	324	ALG5	1	1	1	3.7	36.946
Q9H6U8	ALG9_HUMAN	Alpha-1,2-mannosyltransferase ALG9 (EC 2.4.1.259) (EC 2.4.1.261) (Asparagine-linked N-glycosyltransferase)	611	ALG9	1	1	1	2.3	69.863
P35858	ALS_HUMAN	Insulin-like growth factor-binding protein complex acid labile subunit (ALS)	605	IGFALS	6	6	6	12.2	66.034
P02760	AMBP_HUMAN	Protein AMBP [Cleaved into: Alpha-1-microglobulin (Protein HC) (Alpha-1 microglobulin)]	352	AMBP	12	12	12	40.3	38.999
Q8N944	AMER3_HUMAN	APC membrane recruitment protein 3 (Amer3) (Protein FAM123C)	861	AMER3	1	1	1	1.7	90.444
Q9H4A4	AMPB_HUMAN	Aminopeptidase B (AP-B) (EC 3.4.11.6) (Arginine aminopeptidase) (Arginyl aminopeptidase)	650	RNPEP	12	12	12	22.6	72.595
Q01433	AMPD2_HUMAN	AMP deaminase 2 (EC 3.5.4.6) (AMP deaminase isoform L)	879	AMPD2	3	3	3	3.4	100.69
Q07075	AMPE_HUMAN	Glutamyl aminopeptidase (EAP) (EC 3.4.11.7) (Aminopeptidase A) (AP-A) (Differing from AP-B)	957	ENPEP	6	6	6	6.7	109.24
P49418	AMPH_HUMAN	Amphiphysin	695	AMPH	3	1	1	4.7	76.256
P28838	AMPL_HUMAN	Cytosol aminopeptidase (EC 3.4.11.1) (Leucine aminopeptidase 3) (LAP-3) (Leucyl aminopeptidase)	519	LAP3	22	22	22	50.3	56.166
P15144	AMPN_HUMAN	Aminopeptidase N (AP-N) (hAPN) (EC 3.4.11.2) (Alanyl aminopeptidase) (Aminopeptidase)	967	ANPEP	6	6	6	5.8	109.54
P30533	AMRP_HUMAN	Alpha-2-macroglobulin receptor-associated protein (Alpha-2-MRAP) (Low density lipoprotein receptor)	357	LRPAP1	8	8	8	22.1	41.465
P19961	AMY2B_HUMAN	Alpha-amylase 2B (EC 3.2.1.1) (1,4-alpha-D-glucan glucanohydrolase 2B) (Carcinoma-associated alpha-amylase)	511	AMY2B	1	1	1	2.5	57.709
P39687	AN32A_HUMAN	Acidic leucine-rich nuclear phosphoprotein 32 family member A (Acidic nuclear phosphoprotein)	249	ANP32A	10	10	7	34.5	28.585
Q92688	AN32B_HUMAN	Acidic leucine-rich nuclear phosphoprotein 32 family member B (Acidic nuclear phosphoprotein)	251	ANP32B	5	2	2	21.9	28.787
Q9BTT0	AN32E_HUMAN	Acidic leucine-rich nuclear phosphoprotein 32 family member E (LANP-like protein)	268	ANP32E	2	2	2	10.4	30.692
Q96K21	ANCHR_HUMAN	Abscission/NoCut checkpoint regulator (ANCHR) (MLL partner containing FYVE domain)	471	ZFYVE19	1	1	1	2.8	51.546
Q9P2R3	ANFY1_HUMAN	Rabankyrin-5 (Rank-5) (Ankyrin repeat and FYVE domain-containing protein 1) (Ankyrin)	1169	ANKFY1	12	12	12	10.7	128.4
P03950	ANGI_HUMAN	Angiogenin (EC 3.1.27.-) (Ribonuclease 5) (RNase 5)	147	ANG	5	5	5	39.5	16.55
Q9UKU9	ANGL2_HUMAN	Angiopoietin-related protein 2 (Angiopoietin-like protein 2)	493	ANGPTL2	2	2	2	4.9	57.104

P01019	ANGT_HUMAN	Angiotensinogen (Serpin A8) [Cleaved into: Angiotensin-1 (Angiotensin 1-10) (Angi	485 AGT	7	7	7	15.9	53.154
P16157	ANK1_HUMAN	Ankyrin-1 (ANK-1) (Ankyrin-R) (Erythrocyte ankyrin)	1881 ANK1	40	40	39	26.6	206.26
Q01484	ANK2_HUMAN	Ankyrin-2 (ANK-2) (Ankyrin-B) (Brain ankyrin) (Non-erythroid ankyrin)	3957 ANK2	19	18	18	6.5	433.71
Q12955	ANK3_HUMAN	Ankyrin-3 (ANK-3) (Ankyrin-G)	4377 ANK3	5	4	4	1.3	480.4
Q8IWZ3	ANKH1_HUMAN	Ankyrin repeat and KH domain-containing protein 1 (HIV-1 Vpr-binding ankyrin repe	2542 ANKHD1	2	2	2	0.7	269.45
Q99873	ANM1_HUMAN	Protein arginine N-methyltransferase 1 (EC 2.1.1.319) (Histone-arginine N-methyltr	361 PRMT1	8	8	8	22.4	41.515
O14744	ANM5_HUMAN	Protein arginine N-methyltransferase 5 (EC 2.1.1.320) (72 kDa ICln-binding protein	637 PRMT5	6	6	6	11.1	72.683
Q9NW15	ANO10_HUMAN	Anoctamin-10 (Transmembrane protein 16K)	660 ANO10	3	3	3	5.3	76.328
Q4KMQ2	ANO6_HUMAN	Anoctamin-6 (Small-conductance calcium-activated nonselective cation channel) (S	910 ANO6	10	10	10	14.8	106.16
O15084	ANR28_HUMAN	Serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A (PP6-A	1053 ANKRD28	2	2	2	2.8	112.96
Q8N8A2	ANR44_HUMAN	Serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit B (PP6-A	993 ANKRD44	2	2	2	2.3	107.6
P01008	ANT3_HUMAN	Antithrombin-III (ATIII) (Serpin C1)	464 SERPINC1	25	25	20	46.3	52.602
P50995	ANX11_HUMAN	Annexin A11 (56 kDa autoantigen) (Annexin XI) (Annexin-11) (Calcyclin-associated	505 ANXA11	13	13	13	30.7	54.389
P04083	ANXA1_HUMAN	Annexin A1 (Annexin I) (Annexin-1) (Calpactin II) (Calpactin-2) (Chromobindin-9) (L	346 ANXA1	23	23	23	65.6	38.714
P07355	ANXA2_HUMAN	Annexin A2 (Annexin II) (Annexin-2) (Calpactin I heavy chain) (Calpactin-1 heavy c	339 ANXA2	31	31	31	74.3	38.604
P12429	ANXA3_HUMAN	Annexin A3 (35-alpha calcimedlin) (Annexin III) (Annexin-3) (Inositol 1,2-cyclic phos	323 ANXA3	15	15	15	44.9	36.375
P09525	ANXA4_HUMAN	Annexin A4 (35-beta calcimedlin) (Annexin IV) (Annexin-4) (Carbohydrate-binding p	319 ANXA4	22	22	22	60.8	35.882
P08758	ANXA5_HUMAN	Annexin A5 (Anchorin CII) (Annexin V) (Annexin-5) (Calphobindin I) (CBP-I) (Endor	320 ANXA5	24	24	24	70	35.936
P08133	ANXA6_HUMAN	Annexin A6 (67 kDa calelectrin) (Annexin VI) (Annexin-6) (Calphobindin-II) (CPB-II)	673 ANXA6	44	44	44	62.6	75.872
P20073	ANXA7_HUMAN	Annexin A7 (Annexin VII) (Annexin-7) (Synexin)	488 ANXA7	14	14	14	29.5	52.739
P13928	ANXA8_HUMAN	Annexin A8 (Annexin VIII) (Annexin-8) (Vascular anticoagulant-beta) (VAC-beta)	327 ANXA8	12	2	2	43.1	36.881
O76027	ANXA9_HUMAN	Annexin A9 (Annexin XXXI) (Annexin-31) (Annexin-9) (Pemphaxin)	345 ANXA9	1	1	1	4.6	38.363
Q16853	AOC3_HUMAN	Membrane primary amine oxidase (EC 1.4.3.21) (Copper amine oxidase) (HPAO) (	763 AOC3	20	20	20	30	84.621
P21397	AOFA_HUMAN	Amine oxidase [flavin-containing] A (EC 1.4.3.4) (Monoamine oxidase type A) (MAO	527 MAOA	18	18	16	40.6	59.681
P27338	AOFB_HUMAN	Amine oxidase [flavin-containing] B (EC 1.4.3.4) (Monoamine oxidase type B) (MAO	520 MAOB	15	13	13	30.2	58.762
Q06278	AOXA_HUMAN	Aldehyde oxidase (EC 1.2.3.1) (Aldehyde oxidase 1) (Azaheterocycle hydroxylase)	1338 AOX1	14	14	13	13.6	147.92
Q10567	AP1B1_HUMAN	AP-1 complex subunit beta-1 (Adaptor protein complex AP-1 subunit beta-1) (Adap	949 AP1B1	17	17	8	21.3	104.64
O43747	AP1G1_HUMAN	AP-1 complex subunit gamma-1 (Adaptor protein complex AP-1 subunit gamma-1)	822 AP1G1	3	3	3	3.6	91.35
Q9BXS5	AP1M1_HUMAN	AP-1 complex subunit mu-1 (AP-mu chain family member mu1A) (Adaptor protein c	423 AP1M1	4	4	4	14.7	48.586
P61966	AP1S1_HUMAN	AP-1 complex subunit sigma-1A (Adaptor protein complex AP-1 subunit sigma-1A)	158 AP1S1	2	2	2	15.8	18.733
P56377	AP1S2_HUMAN	AP-1 complex subunit sigma-2 (Adaptor protein complex AP-1 subunit sigma-1B) (v	157 AP1S2	1	1	1	5.7	18.615
O95782	AP2A1_HUMAN	AP-2 complex subunit alpha-1 (100 kDa coated vesicle protein A) (Adaptor protein	977 AP2A1	15	8	8	18.6	107.54
O94973	AP2A2_HUMAN	AP-2 complex subunit alpha-2 (100 kDa coated vesicle protein C) (Adaptor protein	939 AP2A2	18	18	11	22.5	103.96
P63010	AP2B1_HUMAN	AP-2 complex subunit beta (AP105B) (Adaptor protein complex AP-2 subunit beta)	937 AP2B1	16	7	7	19.9	104.55
Q96CW1	AP2M1_HUMAN	AP-2 complex subunit mu (AP-2 mu chain) (Adaptin-mu2) (Adaptor protein comple	435 AP2M1	5	5	5	14.7	49.654
P53680	AP2S1_HUMAN	AP-2 complex subunit sigma (Adaptor protein complex AP-2 subunit sigma) (Adapt	142 AP2S1	5	5	5	31	17.018
O00203	AP3B1_HUMAN	AP-3 complex subunit beta-1 (Adaptor protein complex AP-3 subunit beta-1) (Adap	1094 AP3B1	5	5	5	4.9	121.32
O14617	AP3D1_HUMAN	AP-3 complex subunit delta-1 (AP-3 complex subunit delta) (Adaptor-related protei	1153 AP3D1	13	13	13	13.3	130.16
Q9Y272	AP3M1_HUMAN	AP-3 complex subunit mu-1 (AP-3 adaptor complex mu3A subunit) (Adaptor-related	418 AP3M1	2	2	2	6	46.939
Q92572	AP3S1_HUMAN	AP-3 complex subunit sigma-1 (AP-3 complex subunit sigma-3A) (Adaptor-related p	193 AP3S1	1	1	1	7.8	21.732
P50583	AP4A_HUMAN	Bis(5'-nucleosyl)-tetrphosphatase [asymmetrical] (EC 3.6.1.17) (Diaminosine 5',5"	147 NUDT2	2	2	2	20.4	16.829
P27695	APEX1_HUMAN	DNA-(apurinic or apyrimidinic site) lyase (EC 3.1.-.-) (EC 4.2.99.18) (APEX nucleas	318 APEX1	10	10	10	39.3	35.554
Q9BZ25	API5_HUMAN	Apoptosis inhibitor 5 (API-5) (Antiapoptosis clone 11 protein) (AAC-11) (Cell migrat	524 API5	7	7	7	15.5	59.004
Q9HDC9	APMAP_HUMAN	Adipocyte plasma membrane-associated protein (Protein BSCv)	416 APMAP	13	13	13	41.1	46.48
P08519	APOA_HUMAN	Apolipoprotein(a) (Apo(a)) (Lp(a)) (EC 3.4.21.-)	4548 LPA	4	4	4	25.7	501.31
P02647	APOA1_HUMAN	Apolipoprotein A-I (Apo-AI) (ApoA-I) (Apolipoprotein A1) [Cleaved into: Proapolipop	267 APOA1	34	34	34	86.9	30.777
P02652	APOA2_HUMAN	Apolipoprotein A-II (Apo-AII) (ApoA-II) (Apolipoprotein A2) [Cleaved into: Proapolip	100 APOA2	7	7	7	64	11.175
P06727	APOA4_HUMAN	Apolipoprotein A-IV (Apo-AIV) (ApoA-IV) (Apolipoprotein A4)	396 APOA4	35	35	35	76	45.398
P04114	APOB_HUMAN	Apolipoprotein B-100 (Apo B-100) [Cleaved into: Apolipoprotein B-48 (Apo B-48)]	4563 APOB	101	101	101	25.2	515.6
P02654	APOC1_HUMAN	Apolipoprotein C-I (Apo-CI) (ApoC-I) (Apolipoprotein C1) [Cleaved into: Truncated	83 APOC1	6	6	6	37.3	9.3318
P02655	APOC2_HUMAN	Apolipoprotein C-II (Apo-CII) (ApoC-II) (Apolipoprotein C2) [Cleaved into: Proapolip	101 APOC2	5	5	5	52.5	11.284
P02656	APOC3_HUMAN	Apolipoprotein C-III (Apo-CIII) (ApoC-III) (Apolipoprotein C3)	99 APOC3	3	3	3	34.3	10.852

P05090	APOD_HUMAN	Apolipoprotein D (Apo-D) (ApoD)	189	APOD	6	6	6	34.9	21.275
P02649	APOE_HUMAN	Apolipoprotein E (Apo-E)	317	APOE	20	20	20	61.5	36.154
Q13790	APOF_HUMAN	Apolipoprotein F (Apo-F) (Lipid transfer inhibitor protein) (LTIP)	326	APOF	1	1	1	3.4	35.399
P02749	APOH_HUMAN	Beta-2-glycoprotein 1 (APC inhibitor) (Activated protein C-binding protein) (Anticarc	345	APOH	14	14	14	44.9	38.298
O14791	APOL1_HUMAN	Apolipoprotein L1 (Apolipoprotein L) (Apo-L) (ApoL) (Apolipoprotein L-I) (ApoL-I)	398	APOL1	6	6	5	13.3	43.974
Q9BQE5	APOL2_HUMAN	Apolipoprotein L2 (Apolipoprotein L-II) (ApoL-II)	337	APOL2	7	7	7	19.9	37.092
O95236	APOL3_HUMAN	Apolipoprotein L3 (Apolipoprotein L-III) (ApoL-III) (TNF-inducible protein CG12-1) (	402	APOL3	4	3	3	8.5	44.278
O95445	APOM_HUMAN	Apolipoprotein M (Apo-M) (ApoM) (Protein G3a)	188	APOM	3	3	3	12.8	21.253
P07741	APT_HUMAN	Adenine phosphoribosyltransferase (APRT) (EC 2.4.2.7)	180	APRT	6	6	6	35.6	19.608
P29972	AQP1_HUMAN	Aquaporin-1 (AQP-1) (Aquaporin-CHIP) (Urine water channel) (Water channel prot	269	AQP1	1	1	1	7.4	28.526
Q15041	AR6P1_HUMAN	ADP-ribosylation factor-like protein 6-interacting protein 1 (ARL-6-interacting protei	203	ARL6IP1	1	1	1	4.9	23.362
Q66PJ3	AR6P4_HUMAN	ADP-ribosylation factor-like protein 6-interacting protein 4 (ARL-6-interacting protei	421	ARL6IP4	1	1	1	2.9	44.915
Q8N6S5	AR6P6_HUMAN	ADP-ribosylation factor-like protein 6-interacting protein 6 (ARL-6-interacting protei	226	ARL6IP6	2	2	2	8.8	24.676
Q96P48	ARAP1_HUMAN	Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1 (	1450	ARAP1	1	1	1	1.2	162.19
P25098	ARBK1_HUMAN	Beta-adrenergic receptor kinase 1 (Beta-ARK-1) (EC 2.7.11.15) (G-protein coupled	689	GRK2	3	3	3	5.4	79.573
Q92747	ARC1A_HUMAN	Actin-related protein 2/3 complex subunit 1A (SOP2-like protein)	370	ARPC1A	5	5	5	14.9	41.569
O15143	ARC1B_HUMAN	Actin-related protein 2/3 complex subunit 1B (Arp2/3 complex 41 kDa subunit) (p41	372	ARPC1B	11	11	11	38.4	40.949
P84077	ARF1_HUMAN	ADP-ribosylation factor 1	181	ARF1	7	7	4	48.6	20.697
P18085	ARF4_HUMAN	ADP-ribosylation factor 4	180	ARF4	6	3	3	42.2	20.511
P62330	ARF6_HUMAN	ADP-ribosylation factor 6	175	ARF6	2	2	2	14.9	20.082
Q8N6H7	ARFG2_HUMAN	ADP-ribosylation factor GTPase-activating protein 2 (ARF GAP 2) (GTPase-activat	521	ARFGAP2	5	5	5	9.6	56.72
Q9NP61	ARFG3_HUMAN	ADP-ribosylation factor GTPase-activating protein 3 (ARF GAP 3)	516	ARFGAP3	1	1	1	2.1	56.928
P53367	ARFP1_HUMAN	Arfaptin-1 (ADP-ribosylation factor-interacting protein 1)	373	ARFIP1	2	2	2	6.2	41.738
P05089	ARG1_HUMAN	Arginase-1 (EC 3.5.3.1) (Liver-type arginase) (Type I arginase)	322	ARG1	3	3	3	12.1	34.735
Q92888	ARHG1_HUMAN	Rho guanine nucleotide exchange factor 1 (115 kDa guanine nucleotide exchange	912	ARHGEF1	11	11	11	14	102.43
Q92974	ARHG2_HUMAN	Rho guanine nucleotide exchange factor 2 (Guanine nucleotide exchange factor H1	986	ARHGEF2	5	5	5	5.9	111.54
Q15052	ARHG6_HUMAN	Rho guanine nucleotide exchange factor 6 (Alpha-Pix) (COOL-2) (PAK-interacting e	776	ARHGEF6	5	3	3	5.5	87.498
Q14155	ARHG7_HUMAN	Rho guanine nucleotide exchange factor 7 (Beta-Pix) (COOL-1) (PAK-interacting e	803	ARHGEF7	9	9	7	11.8	90.011
Q7Z628	ARHG8_HUMAN	Neuroepithelial cell-transforming gene 1 protein (Proto-oncogene p65 Net1) (Rho g	596	NET1	2	2	2	3.9	67.739
Q9NZN5	ARHGC_HUMAN	Rho guanine nucleotide exchange factor 12 (Leukemia-associated RhoGEF)	1544	ARHGEF12	2	2	2	1.9	173.23
Q96PE2	ARHGH_HUMAN	Rho guanine nucleotide exchange factor 17 (164 kDa Rho-specific guanine-nucleot	2063	ARHGEF17	5	5	5	2.2	221.67
Q9Y4X5	ARI1_HUMAN	E3 ubiquitin-protein ligase ARIH1 (EC 2.3.2.-) (H7-AP2) (HHARI) (Monocyte protei	557	ARIH1	2	2	2	4.7	64.117
Q8NFD5	ARI1B_HUMAN	AT-rich interactive domain-containing protein 1B (ARID domain-containing protein 1	2236	ARID1B	1	1	1	0.8	236.12
O95376	ARI2_HUMAN	E3 ubiquitin-protein ligase ARIH2 (ARI-2) (Protein ariadne-2 homolog) (EC 2.3.2.-)	493	ARIH2	1	1	1	3.2	57.818
O43488	ARK72_HUMAN	Aflatoxin B1 aldehyde reductase member 2 (EC 1.1.1.111) (AFB1 aldehyde reducta	359	AKR7A2	9	9	9	30.6	39.589
P36404	ARL2_HUMAN	ADP-ribosylation factor-like protein 2	184	ARL2	1	1	1	5.4	20.878
Q96BM9	ARL8A_HUMAN	ADP-ribosylation factor-like protein 8A (ADP-ribosylation factor-like protein 10B) (N	186	ARL8A	3	3	2	21	21.416
Q9NVJ2	ARL8B_HUMAN	ADP-ribosylation factor-like protein 8B (ADP-ribosylation factor-like protein 10C) (N	186	ARL8B	3	2	1	13.4	21.539
P04424	ARLY_HUMAN	Argininosuccinate lyase (ASAL) (EC 4.3.2.1) (Arginosuccinase)	464	ASL	6	6	6	13.8	51.657
Q8N2F6	ARM10_HUMAN	Armadillo repeat-containing protein 10 (Splicing variant involved in hepatocarcinoge	343	ARMC10	4	4	4	13.7	37.54
Q9NVT9	ARMC1_HUMAN	Armadillo repeat-containing protein 1	282	ARMC1	3	3	3	8.2	31.28
Q9H993	ARMT1_HUMAN	Protein-glutamate O-methyltransferase (EC 2.1.1.-) (Acidic residue methyltransfera	441	ARMT1	3	3	3	8.2	51.172
Q9P291	ARMX1_HUMAN	Armadillo repeat-containing X-linked protein 1 (ARM protein lost in epithelial cancer	453	ARMCX1	4	4	4	11.5	49.18
Q7L311	ARMX2_HUMAN	Armadillo repeat-containing X-linked protein 2 (ARM protein lost in epithelial cancer	632	ARMCX2	2	2	2	7.9	65.683
P56211	ARP19_HUMAN	cAMP-regulated phosphoprotein 19 (ARPP-19)	112	ARPP19	2	2	1	33	12.323
P61160	ARP2_HUMAN	Actin-related protein 2 (Actin-like protein 2)	394	ACTR2	9	9	9	27.7	44.76
P61158	ARP3_HUMAN	Actin-related protein 3 (Actin-like protein 3)	418	ACTR3	18	18	18	51.4	47.371
Q9BPX5	ARP5L_HUMAN	Actin-related protein 2/3 complex subunit 5-like protein (Arp2/3 complex 16 kDa sub	153	ARPC5L	2	2	2	13.1	16.941
O15144	ARPC2_HUMAN	Actin-related protein 2/3 complex subunit 2 (Arp2/3 complex 34 kDa subunit) (p34-/	300	ARPC2	15	15	15	56.3	34.333
O15145	ARPC3_HUMAN	Actin-related protein 2/3 complex subunit 3 (Arp2/3 complex 21 kDa subunit) (p21-/	178	ARPC3	6	6	6	27	20.546
P59998	ARPC4_HUMAN	Actin-related protein 2/3 complex subunit 4 (Arp2/3 complex 20 kDa subunit) (p20-/	168	ARPC4	5	5	5	33.3	19.667
O15511	ARPC5_HUMAN	Actin-related protein 2/3 complex subunit 5 (Arp2/3 complex 16 kDa subunit) (p16-/	151	ARPC5	7	7	7	57.6	16.32

Q7Z6K5	ARPIN_HUMAN	Arpin (Arp2/3 inhibition protein)	226 ARPIN	4	4	4	19.5	24.943
P49407	ARRB1_HUMAN	Beta-arrestin-1 (Arrestin beta-1)	418 ARRB1	3	3	3	8.1	47.065
P15289	ARSA_HUMAN	Arylsulfatase A (ASA) (EC 3.1.6.8) (Cerebroside-sulfatase) [Cleaved into: Arylsulfat	507 ARSA	2	2	2	6.7	53.588
Q13510	ASAH1_HUMAN	Acid ceramidase (AC) (ACDase) (Acid CDase) (EC 3.5.1.23) (Acylsphingosine dea	395 ASAH1	7	7	7	18.5	44.659
Q9ULZ3	ASC_HUMAN	Apoptosis-associated speck-like protein containing a CARD (hASC) (Caspase recr	195 PYCARD	3	3	3	21	21.627
O95671	ASML_HUMAN	N-acetylserotonin O-methyltransferase-like protein (ASMTL) (EC 2.1.1.-)	621 ASMTL	6	6	6	9.3	68.856
O43681	ASNA_HUMAN	ATPase ASNA1 (EC 3.6.-.) (Arsenical pump-driving ATPase) (Arsenite-stimulated	348 ASNA1	3	3	3	8.3	38.792
Q12797	ASPH_HUMAN	Aspartyl/asparaginyl beta-hydroxylase (EC 1.14.11.16) (Aspartate beta-hydroxylase	758 ASPH	21	21	21	31.5	85.862
Q9BXN1	ASPN_HUMAN	Asporin (Periodontal ligament-associated protein 1) (PLAP-1)	380 ASPN	12	12	12	32.4	43.417
P00966	ASSY_HUMAN	Argininosuccinate synthase (EC 6.3.4.5) (Citrulline--aspartate ligase)	412 ASS1	15	15	15	36.2	46.53
Q9HD20	AT131_HUMAN	Manganese-transporting ATPase 13A1 (EC 3.6.3.-)	1204 ATP13A1	3	3	3	2.7	132.95
P05023	AT1A1_HUMAN	Sodium/potassium-transporting ATPase subunit alpha-1 (Na(+)/K(+) ATPase alpha	1023 ATP1A1	27	27	19	33.5	112.89
P50993	AT1A2_HUMAN	Sodium/potassium-transporting ATPase subunit alpha-2 (Na(+)/K(+) ATPase alpha	1020 ATP1A2	13	5	5	16.4	112.26
P05026	AT1B1_HUMAN	Sodium/potassium-transporting ATPase subunit beta-1 (Sodium/potassium-depend	303 ATP1B1	4	4	4	14.2	35.061
P54709	AT1B3_HUMAN	Sodium/potassium-transporting ATPase subunit beta-3 (Sodium/potassium-depend	279 ATP1B3	5	5	5	14.3	31.512
P16615	AT2A2_HUMAN	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (SERCA2) (SR Ca(2+)-ATP	1042 ATP2A2	28	28	22	32.6	114.76
Q93084	AT2A3_HUMAN	Sarcoplasmic/endoplasmic reticulum calcium ATPase 3 (SERCA3) (SR Ca(2+)-ATP	1043 ATP2A3	8	2	2	9	113.98
P20020	AT2B1_HUMAN	Plasma membrane calcium-transporting ATPase 1 (PMCA1) (EC 3.6.3.8) (Plasma	1258 ATP2B1	10	2	2	11.8	138.75
Q16720	AT2B3_HUMAN	Plasma membrane calcium-transporting ATPase 3 (PMCA3) (EC 3.6.3.8) (Plasma	1220 ATP2B3	7	1	1	7.8	134.2
P23634	AT2B4_HUMAN	Plasma membrane calcium-transporting ATPase 4 (PMCA4) (EC 3.6.3.8) (Matrix-re	1241 ATP2B4	29	29	20	30.3	137.92
Q8IUZ5	AT2L2_HUMAN	5-phosphohydroxy-L-lysine phospho-lyase (EC 4.2.3.134) (Alanine--glyoxylate amii	450 PHYKPL	4	4	4	10	49.71
Q5VTU8	AT5EL_HUMAN	ATP synthase subunit epsilon-like protein, mitochondrial	51 ATP5EP2	2	2	2	29.4	5.8068
P24539	AT5F1_HUMAN	ATP synthase F(0) complex subunit B1, mitochondrial (ATP synthase proton-transp	256 ATP5F1	9	9	9	32	28.908
Q9ULI0	ATD2B_HUMAN	ATPase family AAA domain-containing protein 2B	1458 ATAD2B	1	1	1	0.8	164.91
Q9NVI7	ATD3A_HUMAN	ATPase family AAA domain-containing protein 3A	634 ATAD3A	7	7	2	12.1	71.368
Q5T9A4	ATD3B_HUMAN	ATPase family AAA domain-containing protein 3B (AAA-TOB3)	648 ATAD3B	6	1	1	8.5	72.572
O95260	ATE1_HUMAN	Arginyl-tRNA--protein transferase 1 (Arginyltransferase 1) (R-transferase 1) (EC 2.3	518 ATE1	3	3	3	9.5	59.09
P18846	ATF1_HUMAN	Cyclic AMP-dependent transcription factor ATF-1 (cAMP-dependent transcription fa	271 ATF1	1	1	1	3.3	29.232
Q9NT62	ATG3_HUMAN	Ubiquitin-like-conjugating enzyme ATG3 (EC 6.3.2.-) (Autophagy-related protein 3)	314 ATG3	2	2	2	8.3	35.864
O95352	ATG7_HUMAN	Ubiquitin-like modifier-activating enzyme ATG7 (ATG12-activating enzyme E1 ATG	703 ATG7	6	6	6	9.4	77.959
Q9UII2	ATIF1_HUMAN	ATPase inhibitor, mitochondrial (Inhibitor of F(1)F(o)-ATPase) (IF1)) (IF1)	106 ATPIF1	2	2	2	13.2	12.249
Q6UY14	ATL4_HUMAN	ADAMTS-like protein 4 (ADAMTSL-4) (Thrombospondin repeat-containing protein	1074 ADAMTSL4	4	4	4	7.1	116.54
Q8WXF7	ATLA1_HUMAN	Atlastin-1 (EC 3.6.5.-) (Brain-specific GTP-binding protein) (GTP-binding protein 3)	558 ATL1	2	2	2	4.3	63.543
Q6DD88	ATLA3_HUMAN	Atlastin-3 (EC 3.6.5.-)	541 ATL3	15	15	15	34.8	60.541
O75947	ATP5H_HUMAN	ATP synthase subunit d, mitochondrial (ATPase subunit d)	161 ATP5H	10	10	10	65.2	18.491
P56385	ATP5I_HUMAN	ATP synthase subunit e, mitochondrial (ATPase subunit e) [Cleaved into: ATP synt	69 ATP5I	2	2	1	24.6	7.9331
P18859	ATP5J_HUMAN	ATP synthase-coupling factor 6, mitochondrial (ATPase subunit F6)	108 ATP5J	3	3	3	26.9	12.587
O75964	ATP5L_HUMAN	ATP synthase subunit g, mitochondrial (ATPase subunit g)	103 ATP5L	2	2	2	19.4	11.428
Q99766	ATP5S_HUMAN	ATP synthase subunit s, mitochondrial (ATP synthase-coupling factor B) (FB) (Mito	215 ATP5S	2	2	2	9.8	24.866
P25705	ATPA_HUMAN	ATP synthase subunit alpha, mitochondrial	553 ATP5A1	31	31	31	54.1	59.75
P06576	ATPB_HUMAN	ATP synthase subunit beta, mitochondrial (EC 3.6.3.14)	529 ATP5B	22	22	22	63.3	56.559
P30049	ATPD_HUMAN	ATP synthase subunit delta, mitochondrial (F-ATPase delta subunit)	168 ATP5D	2	2	2	13.7	17.49
P36542	ATPG_HUMAN	ATP synthase subunit gamma, mitochondrial (F-ATPase gamma subunit)	298 ATP5C1	8	8	8	27.2	32.996
P56134	ATPK_HUMAN	ATP synthase subunit k, mitochondrial	94 ATP5J2	1	1	1	13.8	10.918
P48047	ATPO_HUMAN	ATP synthase subunit O, mitochondrial (Oligomycin sensitivity conferral protein) (O	213 ATP5O	8	8	8	46.9	23.277
Q13535	ATR_HUMAN	Serine/threonine-protein kinase ATR (EC 2.7.11.1) (Ataxia telangiectasia and Rad3	2644 ATR	1	1	1	0.3	301.36
Q9UBB4	ATX10_HUMAN	Ataxin-10 (Brain protein E46 homolog) (Spinocerebellar ataxia type 10 protein)	475 ATXN10	5	5	5	15.2	53.488
Q99700	ATX2_HUMAN	Ataxin-2 (Spinocerebellar ataxia type 2 protein) (Trinucleotide repeat-containing ge	1313 ATXN2	2	2	2	1.1	140.28
Q8WWM7	ATX2L_HUMAN	Ataxin-2-like protein (Ataxin-2 domain protein) (Ataxin-2-related protein)	1075 ATXN2L	3	3	3	2.3	113.37
P54252	ATX3_HUMAN	Ataxin-3 (EC 3.4.19.12) (Machado-Joseph disease protein 1) (Spinocerebellar atax	364 ATXN3	1	1	1	3.8	41.78
Q13825	AUHM_HUMAN	Methylglutaconyl-CoA hydratase, mitochondrial (EC 4.2.1.18) (AU-specific RNA-bir	339 AUH	2	2	2	5	35.608
Q5VT79	AXA81_HUMAN	Annexin A8-like protein 1	327 ANXA8L1	12	12	2	43.1	36.879

Q9BXC5	B2L13_HUMAN	Bcl-2-like protein 13 (Bcl2-L-13) (Bcl-rambo) (Protein Mil1)	485 BCL2L13	5	5	5	14.2	52.723
P61769	B2MG_HUMAN	Beta-2-microglobulin [Cleaved into: Beta-2-microglobulin form pI 5.3]	119 B2M	3	3	3	22.7	13.714
P02730	B3AT_HUMAN	Band 3 anion transport protein (Anion exchange protein 1) (AE 1) (Anion exchange	911 SLC4A1	24	24	24	35.8	101.79
P15291	B4GT1_HUMAN	Beta-1,4-galactosyltransferase 1 (Beta-1,4-GalTase 1) (Beta4Gal-T1) (b4Gal-T1) (E	398 B4GALT1	1	1	1	5	43.92
Q9NWW8	BABA1_HUMAN	BRISc and BRCA1-A complex member 1 (Mediator of RAP80 interactions and targ	329 BABAM1	2	2	2	6.1	36.56
O00154	BACH_HUMAN	Cytosolic acyl coenzyme A thioester hydrolase (EC 3.1.2.2) (Acyl-CoA thioesterase	380 ACOT7	4	4	4	14.5	41.796
O95816	BAG2_HUMAN	BAG family molecular chaperone regulator 2 (BAG-2) (Bcl-2-associated athanogen	211 BAG2	6	6	6	28	23.772
O95817	BAG3_HUMAN	BAG family molecular chaperone regulator 3 (BAG-3) (Bcl-2-associated athanogen	575 BAG3	6	6	6	12.2	61.594
Q9UL15	BAG5_HUMAN	BAG family molecular chaperone regulator 5 (BAG-5) (Bcl-2-associated athanogen	447 BAG5	2	2	2	5.1	51.199
P46379	BAG6_HUMAN	Large proline-rich protein BAG6 (BAG family molecular chaperone regulator 6) (BC	1132 BAG6	5	5	5	4.2	119.41
Q8IXM2	BAP18_HUMAN	Chromatin complexes subunit BAP18 (BPTF-associated protein of 18 kDa)	172 BAP18	2	2	2	20.9	17.9
Q9UHQ4	BAP29_HUMAN	B-cell receptor-associated protein 29 (BCR-associated protein 29) (Bap29)	241 BCAP29	3	3	3	12.4	28.32
P51572	BAP31_HUMAN	B-cell receptor-associated protein 31 (BCR-associated protein 31) (Bap31) (6C6-AI	246 BCAP31	16	16	16	41.9	27.991
P35613	BASI_HUMAN	Basigin (5F7) (Collagenase stimulatory factor) (Extracellular matrix metalloproteina:	385 BSG	6	6	6	19.2	42.2
P80723	BASP1_HUMAN	Brain acid soluble protein 1 (22 kDa neuronal tissue-enriched acidic protein) (Neurc	227 BASP1	10	10	10	58.1	22.693
Q07812	BAX_HUMAN	Apoptosis regulator BAX (Bcl-2-like protein 4) (Bcl2-L-4)	192 BAX	3	3	3	23.4	21.184
Q9UIG0	BAZ1B_HUMAN	Tyrosine-protein kinase BAZ1B (EC 2.7.10.2) (Bromodomain adjacent to zinc finge	1483 BAZ1B	2	2	2	1.1	170.9
Q8NFJ9	BBS1_HUMAN	Bardet-Biedl syndrome 1 protein (BBS2-like protein 2)	593 BBS1	1	1	1	2.5	65.083
P50895	BCAM_HUMAN	Basal cell adhesion molecule (Aubergier B antigen) (B-CAM cell surface glycoprotei	628 BCAM	22	22	22	45.5	67.404
Q9H6U6	BCAS3_HUMAN	Breast carcinoma-amplified sequence 3 (GAOB1)	928 BCAS3	1	1	1	1.5	101.24
O15382	BCAT2_HUMAN	Branched-chain-amino-acid aminotransferase, mitochondrial (BCAT(m)) (EC 2.6.1.	392 BCAT2	4	4	4	15.3	44.287
O14874	BCKD_HUMAN	[3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial (EC 2.	412 BCKDK	1	1	1	5.1	46.36
Q9NYF8	BCLF1_HUMAN	Bcl-2-associated transcription factor 1 (Btf)	920 BCLAF1	5	5	5	5.7	106.12
P11274	BCR_HUMAN	Breakpoint cluster region protein (EC 2.7.11.1) (Renal carcinoma antigen NY-REN-	1271 BCR	2	2	2	1.6	142.82
Q9Y276	BCS1_HUMAN	Mitochondrial chaperone BCS1 (h-BCS1) (BCS1-like protein)	419 BCS1L	2	2	2	6.9	47.534
Q02338	BDH_HUMAN	D-beta-hydroxybutyrate dehydrogenase, mitochondrial (EC 1.1.1.30) (3-hydroxybut	343 BDH1	8	8	8	21.3	38.157
Q9BUT1	BDH2_HUMAN	3-hydroxybutyrate dehydrogenase type 2 (EC 1.1.1.-) (EC 1.1.1.30) (Dehydrogenas	245 BDH2	5	5	5	23.3	26.724
P16278	BGAL_HUMAN	Beta-galactosidase (EC 3.2.1.23) (Acid beta-galactosidase) (Lactase) (Elastin rece	677 GLB1	1	1	1	2.1	76.074
Q15582	BGH3_HUMAN	Transforming growth factor-beta-induced protein ig-h3 (Beta ig-h3) (Kerato-epitheli	683 TGFBI	25	25	25	45.4	74.68
P08236	BGLR_HUMAN	Beta-glucuronidase (EC 3.2.1.31) (Beta-G1)	651 GUSB	4	4	4	5.5	74.731
P53004	BIEA_HUMAN	Biliverdin reductase A (BVR A) (EC 1.3.1.24) (Biliverdin-IX alpha-reductase)	296 BLVRA	7	7	7	25	33.428
Q9Y6D6	BIG1_HUMAN	Brefeldin A-inhibited guanine nucleotide-exchange protein 1 (Brefeldin A-inhibited C	1849 ARFGEF1	2	2	1	1.2	208.76
O00499	BIN1_HUMAN	Myc box-dependent-interacting protein 1 (Amphiphysin II) (Amphiphysin-like proteir	593 BIN1	8	8	6	16	64.699
Q9NQY0	BIN3_HUMAN	Bridging integrator 3	253 BIN3	1	1	1	7.5	29.665
Q9NR09	BIRC6_HUMAN	Baculoviral IAP repeat-containing protein 6 (EC 2.3.2.27) (BIR repeat-containing ut	4857 BIRC6	1	1	1	0.3	530.25
Q13867	BLMH_HUMAN	Bleomycin hydrolase (BH) (BLM hydrolase) (BMH) (EC 3.4.22.40)	455 BLMH	4	4	4	9.5	52.562
P30043	BLVRB_HUMAN	Flavin reductase (NADPH) (FR) (EC 1.5.1.30) (Biliverdin reductase B) (BVR-B) (EC	206 BLVRB	9	9	9	50.5	22.119
P35226	BMI1_HUMAN	Polycomb complex protein BMI-1 (Polycomb group RING finger protein 4) (RING fir	326 BMI1	1	1	1	3.4	36.949
Q9NSY1	BMP2K_HUMAN	BMP-2-inducible protein kinase (BtKe) (EC 2.7.11.1)	1161 BMP2K	1	1	1	1.3	129.17
Q6ZN30	BNC2_HUMAN	Zinc finger protein basonuclin-2	1099 BNC2	1	1	1	1	122.33
Q96GS4	BORC6_HUMAN	BLOC-1-related complex subunit 6 (Lysosome-dispersing protein) (Lyspersin)	357 BORCS6	1	1	1	5.3	37.226
Q9H3Q1	BORG4_HUMAN	Cdc42 effector protein 4 (Binder of Rho GTPases 4)	356 CDC42EP4	6	6	5	25.6	37.979
Q00587	BORG5_HUMAN	Cdc42 effector protein 1 (Binder of Rho GTPases 5) (Serum protein MSE55)	391 CDC42EP1	2	1	1	4.6	40.294
Q86WA6	BPHL_HUMAN	Valacyclovir hydrolase (VACVase) (Valacyclovirase) (EC 3.1.-.-) (Biphenyl hydrolas	291 BPHL	6	6	6	19.2	32.542
P17213	BPI_HUMAN	Bactericidal permeability-increasing protein (BPI) (CAP 57)	487 BPI	1	1	1	3.1	53.899
Q95861	BPNT1_HUMAN	3'(2'),5'-bisphosphate nucleotidase 1 (EC 3.1.3.7) (Bisphosphate 3'-nucleotidase 1)	308 BPNT1	6	6	6	18.8	33.392
Q15059	BRD3_HUMAN	Bromodomain-containing protein 3 (RING3-like protein)	726 BRD3	2	2	2	3	79.541
O75150	BRE1B_HUMAN	E3 ubiquitin-protein ligase BRE1B (BRE1-B) (EC 2.3.2.27) (95 kDa retinoblastoma-	1001 RNF40	1	1	1	1.2	113.65
Q8WY22	BRI3B_HUMAN	BRI3-binding protein (I3-binding protein) (Cervical cancer 1 proto-oncogene-binding	251 BRI3BP	2	2	2	14.3	27.835
Q8WUW1	BRK1_HUMAN	Protein BRICK1 (BRK1)	75 BRK1	4	4	4	46.7	8.7448
Q5VW32	BROX_HUMAN	BRO1 domain-containing protein BROX (BRO1 domain- and CAAX motif-containin	411 BROX	1	1	1	2.7	46.476
Q10588	BST1_HUMAN	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2 (EC 3.2.2.6) (ADP-ribosyl cycla:	318 BST1	4	4	4	16.7	35.724

Q10589	BST2_HUMAN	Bone marrow stromal antigen 2 (BST-2) (HM1.24 antigen) (Tetherin) (CD antigen C	180	BST2	3	3	3	16.7	19.769
O00478	BT3A3_HUMAN	Butyrophilin subfamily 3 member A3	584	BTN3A3	2	2	2	3.8	65.001
Q96K17	BT3L4_HUMAN	Transcription factor BTF3 homolog 4 (Basic transcription factor 3-like 4)	158	BTF3L4	3	3	2	19.6	17.27
P43251	BTD_HUMAN	Biotinidase (Biotinase) (EC 3.5.1.12)	543	BTD	2	2	2	3.5	61.132
P20290	BTF3_HUMAN	Transcription factor BTF3 (Nascent polypeptide-associated complex subunit beta) (	206	BTF3	3	2	2	12.6	22.168
O43684	BUB3_HUMAN	Mitotic checkpoint protein BUB3	328	BUB3	5	5	5	18.9	37.154
Q7L1Q6	BZW1_HUMAN	Basic leucine zipper and W2 domain-containing protein 1 (Protein Orf)	419	BZW1	6	6	6	11.7	48.043
Q9Y6E2	BZW2_HUMAN	Basic leucine zipper and W2 domain-containing protein 2	419	BZW2	3	3	3	6.2	48.162
Q86VB7	C163A_HUMAN	Scavenger receptor cysteine-rich type 1 protein M130 (Hemoglobin scavenger rece	1156	CD163	22	22	22	24.6	125.45
P02745	C1QA_HUMAN	Complement C1q subcomponent subunit A	245	C1QA	2	2	2	8.6	26.016
P02746	C1QB_HUMAN	Complement C1q subcomponent subunit B	253	C1QB	3	3	3	14.2	26.721
Q07021	C1QBP_HUMAN	Complement component 1 Q subcomponent-binding protein, mitochondrial (ASF/SI	282	C1QBP	4	4	4	16.7	31.362
P02747	C1QC_HUMAN	Complement C1q subcomponent subunit C	245	C1QC	3	3	3	17.6	25.773
Q9NPY3	C1QR1_HUMAN	Complement component C1q receptor (C1q/MBL/SPA receptor) (C1qR) (C1qR(p))	652	CD93	3	3	3	4.6	68.559
Q9BXJ5	C1QT2_HUMAN	Complement C1q tumor necrosis factor-related protein 2	285	C1QTNF2	1	1	1	7.4	29.951
Q9BXJ0	C1QT5_HUMAN	Complement C1q tumor necrosis factor-related protein 5	243	C1QTNF5	2	2	2	11.5	25.298
Q9BXJ2	C1QT7_HUMAN	Complement C1q tumor necrosis factor-related protein 7	289	C1QTNF7	2	2	2	10.4	30.683
P00736	C1R_HUMAN	Complement C1r subcomponent (EC 3.4.21.41) (Complement component 1 subcor	705	C1R	15	15	15	29.6	80.118
P09871	C1S_HUMAN	Complement C1s subcomponent (EC 3.4.21.42) (C1 esterase) (Complement comp	688	C1S	11	11	11	21.1	76.684
P11586	C1TC_HUMAN	C-1-tetrahydrofolate synthase, cytoplasmic (C1-THF synthase) [Cleaved into: C-1-t	935	MTHFD1	24	24	24	28.3	101.56
Q9Y5P4	C43BP_HUMAN	Collagen type IV alpha-3-binding protein (Ceramide transfer protein) (hCERT) (Goc	624	COL4A3BP	4	4	4	7.2	70.834
P04003	C4BPA_HUMAN	C4b-binding protein alpha chain (C4bp) (Proline-rich protein) (PRP)	597	C4BPA	21	21	21	40.5	67.033
P20851	C4BPB_HUMAN	C4b-binding protein beta chain	252	C4BPB	3	3	3	17.1	28.357
Q99643	C560_HUMAN	Succinate dehydrogenase cytochrome b560 subunit, mitochondrial (Integral membr	169	SDHC	2	2	2	12.4	18.61
Q8TCZ2	C99L2_HUMAN	CD99 antigen-like protein 2 (MIC2-like protein 1) (CD antigen CD99)	262	CD99L2	1	1	1	5.7	27.986
Q9H246	CA021_HUMAN	Uncharacterized protein C1orf21 (Cell proliferation-inducing gene 13 protein)	121	C1orf21	1	1	1	10.7	13.865
Q9BV19	CA050_HUMAN	Uncharacterized protein C1orf50	199	C1orf50	1	1	1	8	21.876
Q9NWW4	CA123_HUMAN	UPF0587 protein C1orf123	160	C1orf123	4	4	4	35	18.048
Q9H425	CA198_HUMAN	Uncharacterized protein C1orf198	327	C1orf198	6	6	6	21.4	36.346
P54289	CA2D1_HUMAN	Voltage-dependent calcium channel subunit alpha-2/delta-1 (Voltage-gated calciu	1103	CACNA2D1	21	21	21	21.2	124.57
Q9NY47	CA2D2_HUMAN	Voltage-dependent calcium channel subunit alpha-2/delta-2 (Voltage-gated calciu	1150	CACNA2D2	2	2	2	2	129.82
Q9Y376	CAB39_HUMAN	Calcium-binding protein 39 (MO25alpha) (Protein Mo25)	341	CAB39	5	5	5	11.4	39.869
Q9BRK5	CAB45_HUMAN	45 kDa calcium-binding protein (Cab45) (Stromal cell-derived factor 4) (SDF-4)	362	SDF4	4	4	4	14.1	41.806
O00555	CAC1A_HUMAN	Voltage-dependent P/Q-type calcium channel subunit alpha-1A (Brain calcium char	2505	CACNA1A	1	1	1	0.4	282.36
P43155	CACP_HUMAN	Carnitine O-acetyltransferase (Carnitine acetylase) (EC 2.3.1.7) (Carnitine acetyltra	626	CRAT	12	12	12	21.2	70.857
P55287	CAD11_HUMAN	Cadherin-11 (OSF-4) (Osteoblast cadherin) (OB-cadherin)	796	CDH11	4	4	4	6.9	87.964
P55290	CAD13_HUMAN	Cadherin-13 (Heart cadherin) (H-cadherin) (P105) (Truncated cadherin) (T-cad) (T-	713	CDH13	13	13	13	22.4	78.286
P12830	CADH1_HUMAN	Cadherin-1 (CAM 120/80) (Epithelial cadherin) (E-cadherin) (Uvomorulin) (CD anti	882	CDH1	2	2	2	2.2	97.455
P33151	CADH5_HUMAN	Cadherin-5 (7B4 antigen) (Vascular endothelial cadherin) (VE-cadherin) (CD anti	784	CDH5	5	5	5	6.9	87.527
P55285	CADH6_HUMAN	Cadherin-6 (Kidney cadherin) (K-cadherin)	790	CDH6	2	2	2	3	88.308
Q9BY67	CADM1_HUMAN	Cell adhesion molecule 1 (Immunoglobulin superfamily member 4) (IgSF4) (Nectin-	442	CADM1	4	4	4	12	48.509
Q8N126	CADM3_HUMAN	Cell adhesion molecule 3 (Brain immunoglobulin receptor) (Immunoglobulin superfa	398	CADM3	2	2	2	6	43.299
Q5T440	CAF17_HUMAN	Putative transferase CAF17, mitochondrial (EC 2.1.-.-) (Iron-sulfur cluster assembly	356	IBA57	2	2	2	7.3	38.155
P00915	CAH1_HUMAN	Carbonic anhydrase 1 (EC 4.2.1.1) (Carbonate dehydratase I) (Carbonic anhydrase	261	CA1	15	15	15	65.5	28.87
P00918	CAH2_HUMAN	Carbonic anhydrase 2 (EC 4.2.1.1) (Carbonate dehydratase II) (Carbonic anhydras	260	CA2	12	12	12	59.2	29.246
P07451	CAH3_HUMAN	Carbonic anhydrase 3 (EC 4.2.1.1) (Carbonate dehydratase III) (Carbonic anhydra	260	CA3	10	10	10	53.5	29.557
P22748	CAH4_HUMAN	Carbonic anhydrase 4 (EC 4.2.1.1) (Carbonate dehydratase IV) (Carbonic anhydra	312	CA4	6	6	6	20.2	35.032
Q9HA72	CAHM2_HUMAN	Calcium homeostasis modulator protein 2 (Protein FAM26B)	323	CALHM2	1	1	1	4.6	36.174
P22676	CALB2_HUMAN	Calretinin (CR) (29 kDa calbindin)	271	CALB2	7	7	7	28.8	31.54
Q05682	CALD1_HUMAN	Caldesmon (CDM)	793	CALD1	44	44	43	47.5	93.23
Q9NZT1	CALL5_HUMAN	Calmodulin-like protein 5 (Calmodulin-like skin protein)	146	CALML5	2	2	2	15.1	15.892
P62158	CALM_HUMAN	Calmodulin (CaM)	149	CALM1	11	11	11	60.4	16.837

P27797	CALR_HUMAN	Calreticulin (GRP55) (Calregulin) (Endoplasmic reticulum resident protein 60) (ERp	417 CALR	15	15	15	37.9	48.141
O43852	CALU_HUMAN	Calumenin (Crocalbin) (IEF SSP 9302)	315 CALU	15	15	15	57.8	37.106
P27824	CALX_HUMAN	Calnexin (IP90) (Major histocompatibility complex class I antigen-binding protein p8	592 CANX	22	22	22	32.6	67.567
P49913	CAMP_HUMAN	Cathelicidin antimicrobial peptide (18 kDa cationic antimicrobial protein) (CAP-18) (	170 CAMP	1	1	1	7.6	19.301
P07384	CAN1_HUMAN	Calpain-1 catalytic subunit (EC 3.4.22.52) (Calcium-activated neutral proteinase 1)	714 CAPN1	18	17	17	28	81.889
P17655	CAN2_HUMAN	Calpain-2 catalytic subunit (EC 3.4.22.53) (Calcium-activated neutral proteinase 2)	700 CAPN2	19	19	18	34.7	79.994
O15484	CAN5_HUMAN	Calpain-5 (EC 3.4.22.-) (Calpain htra-3) (New calpain 3) (nCL-3)	640 CAPN5	2	2	2	5.3	73.168
P63098	CANB1_HUMAN	Calcineurin subunit B type 1 (Protein phosphatase 2B regulatory subunit 1) (Protein	170 PPP3R1	3	3	3	22.9	19.3
Q86VP6	CAND1_HUMAN	Cullin-associated NEDD8-dissociated protein 1 (Cullin-associated and neddylation-	1230 CAND1	27	27	27	24.9	136.37
Q01518	CAP1_HUMAN	Adenylyl cyclase-associated protein 1 (CAP 1)	475 CAP1	23	23	22	53.1	51.901
P40123	CAP2_HUMAN	Adenylyl cyclase-associated protein 2 (CAP 2)	477 CAP2	15	14	14	32.1	52.823
P40121	CAPG_HUMAN	Macrophage-capping protein (Actin regulatory protein CAP-G)	348 CAPG	7	7	7	23	38.498
Q14444	CAPR1_HUMAN	Caprin-1 (Cell cycle-associated protein 1) (Cytoplasmic activation- and proliferation	709 CAPRIN1	3	3	3	4.7	78.365
P47756	CAPZB_HUMAN	F-actin-capping protein subunit beta (CapZ beta)	277 CAPZB	12	12	12	51.3	31.35
Q9BXL7	CAR11_HUMAN	Caspase recruitment domain-containing protein 11 (CARD-containing MAGUK prot	1154 CARD11	2	2	2	1.4	133.28
Q9NXV6	CARF_HUMAN	CDKN2A-interacting protein (Collaborator of ARF)	580 CDKN2AIP	1	1	1	1.9	61.124
Q86X55	CARM1_HUMAN	Histone-arginine methyltransferase CARM1 (EC 2.1.1.319) (Coactivator-associated	608 CARM1	5	5	5	9	65.853
P29466	CASP1_HUMAN	Caspase-1 (CASP-1) (EC 3.4.22.36) (Interleukin-1 beta convertase) (IL-1BC) (Inter	404 CASP1	3	3	3	8.4	45.158
P04040	CATA_HUMAN	Catalase (EC 1.11.1.6)	527 CAT	27	27	27	56.5	59.755
P07858	CATB_HUMAN	Cathepsin B (EC 3.4.22.1) (APP secretase) (APPS) (Cathepsin B1) [Cleaved into: (	339 CTSB	6	6	6	23.3	37.821
P53634	CATC_HUMAN	Dipeptidyl peptidase 1 (EC 3.4.14.1) (Cathepsin C) (Cathepsin J) (Dipeptidyl peptid	463 CTSC	3	3	3	9.3	51.853
P07339	CATD_HUMAN	Cathepsin D (EC 3.4.23.5) [Cleaved into: Cathepsin D light chain; Cathepsin D hea	412 CTSD	10	10	10	32.8	44.552
P08311	CATG_HUMAN	Cathepsin G (CG) (EC 3.4.21.20)	255 CTSG	9	9	9	38.8	28.837
P09668	CATH_HUMAN	Pro-cathepsin H [Cleaved into: Cathepsin H mini chain; Cathepsin H (EC 3.4.22.16	335 CTSH	1	1	1	3.9	37.393
Q5NE16	CATL3_HUMAN	Putative inactive cathepsin L-like protein CTSL3P (Cathepsin L3 pseudogene) (HC	218 CTSL3P	2	2	2	4.1	25.059
P25774	CATS_HUMAN	Cathepsin S (EC 3.4.22.27)	331 CTSS	3	3	3	8.8	37.495
Q9UBR2	CATZ_HUMAN	Cathepsin Z (EC 3.4.18.1) (Cathepsin P) (Cathepsin X)	303 CTSZ	2	2	2	9.6	33.868
Q03135	CAV1_HUMAN	Caveolin-1	178 CAV1	11	11	11	68	20.471
P51636	CAV2_HUMAN	Caveolin-2	162 CAV2	2	2	2	18.5	18.291
P52907	CAZA1_HUMAN	F-actin-capping protein subunit alpha-1 (CapZ alpha-1)	286 CAPZA1	9	7	7	40.6	32.922
P47755	CAZA2_HUMAN	F-actin-capping protein subunit alpha-2 (CapZ alpha-2)	286 CAPZA2	10	10	8	55.2	32.949
Q9H9S4	CB39L_HUMAN	Calcium-binding protein 39-like (Antigen MLLA-34) (MO25beta) (Mo25-like protein)	337 CAB39L	1	1	1	3	39.087
P08185	CBG_HUMAN	Corticosteroid-binding globulin (CBG) (Serpin A6) (Transcortin)	405 SERPINA6	3	3	3	6.9	45.14
P15088	CBPA3_HUMAN	Mast cell carboxypeptidase A (MC-CPA) (EC 3.4.17.1) (Carboxypeptidase A3)	417 CPA3	10	10	10	19.2	48.669
Q961Y4	CBPB2_HUMAN	Carboxypeptidase B2 (EC 3.4.17.20) (Carboxypeptidase U) (CPU) (Plasma carbox	423 CPB2	2	2	2	5	48.424
P14384	CBPM_HUMAN	Carboxypeptidase M (CPM) (EC 3.4.17.12)	443 CPM	4	4	4	11.5	50.513
P15169	CBPN_HUMAN	Carboxypeptidase N catalytic chain (CPN) (EC 3.4.17.3) (Anaphylatoxin inactivator	458 CPN1	2	2	2	5.5	52.286
Q9Y646	CBPQ_HUMAN	Carboxypeptidase Q (EC 3.4.17.-) (Lysosomal dipeptidase) (Plasma glutamate carl	472 CPQ	3	3	3	5.7	51.887
P16152	CBR1_HUMAN	Carbonyl reductase [NADPH] 1 (EC 1.1.1.184) (15-hydroxyprostaglandin dehydrog	277 CBR1	9	9	7	51.3	30.375
O75828	CBR3_HUMAN	Carbonyl reductase [NADPH] 3 (EC 1.1.1.184) (NADPH-dependent carbonyl reduc	277 CBR3	4	2	2	18.8	30.85
Q8N4T8	CBR4_HUMAN	Carbonyl reductase family member 4 (EC 1.-.-) (3-ketoacyl-[acyl-carrier-protein] re	237 CBR4	2	2	2	9.7	25.301
P83916	CBX1_HUMAN	Chromobox protein homolog 1 (HP1Hsbeta) (Heterochromatin protein 1 homolog b	185 CBX1	3	2	2	21.1	21.418
Q13185	CBX3_HUMAN	Chromobox protein homolog 3 (HECH) (Heterochromatin protein 1 homolog gamm	183 CBX3	8	8	6	46.4	20.811
P45973	CBX5_HUMAN	Chromobox protein homolog 5 (Antigen p25) (Heterochromatin protein 1 homolog ε	191 CBX5	2	1	1	13.1	22.225
Q5JPI3	CC038_HUMAN	Uncharacterized protein C3orf38	329 C3orf38	1	1	1	5.8	37.54
Q9H013	CC113_HUMAN	Coiled-coil domain-containing protein 113	377 CCDC113	1	1	1	2.4	44.219
Q96CT7	CC124_HUMAN	Coiled-coil domain-containing protein 124	223 CCDC124	5	5	5	20.2	25.835
Q9NV96	CC50A_HUMAN	Cell cycle control protein 50A (P4-ATPase flippase complex beta subunit TMEM30/	361 TMEM30A	3	3	3	11.4	40.683
Q9GZT6	CC90B_HUMAN	Coiled-coil domain-containing protein 90B, mitochondrial	254 CCDC90B	2	2	2	6.7	29.505
Q8IX12	CCAR1_HUMAN	Cell division cycle and apoptosis regulator protein 1 (Cell cycle and apoptosis regul	1150 CCAR1	6	6	6	5.5	132.82
Q8N163	CCAR2_HUMAN	Cell cycle and apoptosis regulator protein 2 (Cell division cycle and apoptosis regul	923 CCAR2	8	8	8	9.4	102.9
O60826	CCD22_HUMAN	Coiled-coil domain-containing protein 22	627 CCDC22	3	3	3	9.1	70.755

Q96MW1	CCD43_HUMAN	Coiled-coil domain-containing protein 43	224	CCDC43	2	2	2	10.3	25.248
Q96A33	CCD47_HUMAN	Coiled-coil domain-containing protein 47	483	CCDC47	5	5	5	14.5	55.873
Q8IVM0	CCD50_HUMAN	Coiled-coil domain-containing protein 50 (Protein Ymer)	306	CCDC50	6	6	5	20.3	35.822
Q96ER9	CCD51_HUMAN	Coiled-coil domain-containing protein 51	411	CCDC51	1	1	1	3.4	45.811
Q9Y3C0	CCD53_HUMAN	WASH complex subunit CCDC53 (Coiled-coil domain-containing protein 53)	194	CCDC53	3	3	3	14.9	21.172
Q6ZRK6	CCD73_HUMAN	Coiled-coil domain-containing protein 73 (Sarcoma antigen NY-SAR-79)	1079	CCDC73	1	1	1	0.9	124.15
Q76M96	CCD80_HUMAN	Coiled-coil domain-containing protein 80 (Down-regulated by oncogenes protein 1)	950	CCDC80	2	2	2	2.7	108.17
Q7Z6B0	CCD91_HUMAN	Coiled-coil domain-containing protein 91 (GGA-binding partner) (p56 accessory pro	441	CCDC91	2	2	2	3.9	49.971
Q567U6	CCD93_HUMAN	Coiled-coil domain-containing protein 93	631	CCDC93	6	6	6	9.2	73.197
Q16204	CCDC6_HUMAN	Coiled-coil domain-containing protein 6 (Papillary thyroid carcinoma-encoded prote	474	CCDC6	4	4	4	9.3	53.29
O00585	CCL21_HUMAN	C-C motif chemokine 21 (6Ckine) (Beta-chemokine exodus-2) (Secondary lymphoic	134	CCL21	1	1	1	9	14.646
O14618	CCS_HUMAN	Copper chaperone for superoxide dismutase (Superoxide dismutase copper chape	274	CCS	2	2	2	7.7	29.04
P86791	CCZ1_HUMAN	Vacuolar fusion protein CCZ1 homolog	482	CCZ1	1	1	1	3.3	55.866
Q6YHK3	CD109_HUMAN	CD109 antigen (150 kDa TGF-beta-1-binding protein) (C3 and PZP-like alpha-2-ma	1445	CD109	9	9	9	8.9	161.69
P08571	CD14_HUMAN	Monocyte differentiation antigen CD14 (Myeloid cell-specific leucine-rich glycoprote	375	CD14	5	5	5	13.9	40.076
P48509	CD151_HUMAN	CD151 antigen (GP27) (Membrane glycoprotein SFA-1) (Platelet-endothelial tetras	253	CD151	5	5	5	16.6	28.295
Q5M9N0	CD158_HUMAN	Coiled-coil domain-containing protein 158	1113	CCDC158	1	1	1	0.9	127.14
Q13740	CD166_HUMAN	CD166 antigen (Activated leukocyte cell adhesion molecule) (CD antigen CD166)	583	ALCAM	4	4	4	7.2	65.102
Q9NNX6	CD209_HUMAN	CD209 antigen (C-type lectin domain family 4 member L) (Dendritic cell-specific IC	404	CD209	2	2	2	7.4	45.774
Q9HCU0	CD248_HUMAN	Endosialin (Tumor endothelial marker 1) (CD antigen CD248)	757	CD248	4	4	4	6.3	80.858
Q9Y5K6	CD2AP_HUMAN	CD2-associated protein (Adapter protein CMS) (Cas ligand with multiple SH3 doma	639	CD2AP	4	4	4	6.7	71.45
Q8IX05	CD302_HUMAN	CD302 antigen (C-type lectin BIMLEC) (C-type lectin domain family 13 member A)	232	CD302	2	2	2	6.5	26.182
P28906	CD34_HUMAN	Hematopoietic progenitor cell antigen CD34 (CD antigen CD34)	385	CD34	4	4	4	16.9	40.716
P16671	CD36_HUMAN	Platelet glycoprotein 4 (Fatty acid translocase) (FAT) (Glycoprotein IIIb) (GPIIIB) (L	472	CD36	9	9	9	28.4	53.053
P28907	CD38_HUMAN	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1 (EC 3.2.2.6) (2'-phospho-ADP-r	300	CD38	2	2	2	6.7	34.328
P16070	CD44_HUMAN	CD44 antigen (CDw44) (Epican) (Extracellular matrix receptor III) (ECMR-III) (GP9	742	CD44	7	7	7	9.8	81.537
Q08722	CD47_HUMAN	Leukocyte surface antigen CD47 (Antigenic surface determinant protein OA3) (Inte	323	CD47	2	2	2	6.2	35.213
P13987	CD59_HUMAN	CD59 glycoprotein (1F5 antigen) (20 kDa homologous restriction factor) (HRF-20) (	128	CD59	5	5	5	37.5	14.177
O43866	CD5L_HUMAN	CD5 antigen-like (Apoptosis inhibitor expressed by macrophages) (hAIM) (CT-2) (Ic	347	CD5L	7	7	7	28.2	38.087
P08962	CD63_HUMAN	CD63 antigen (Granulophysin) (Lysosomal-associated membrane protein 3) (LAMF	238	CD63	2	2	2	7.6	25.636
P60033	CD81_HUMAN	CD81 antigen (26 kDa cell surface protein TAPA-1) (Target of the antiproliferative a	236	CD81	5	5	5	31.4	25.809
P21926	CD9_HUMAN	CD9 antigen (5H9 antigen) (Cell growth-inhibiting gene 2 protein) (Leukocyte antig	228	CD9	7	7	7	26.8	25.416
P48960	CD97_HUMAN	CD97 antigen (Leukocyte antigen CD97) (CD antigen CD97) [Cleaved into: CD97 a	835	CD97	1	1	1	1.7	91.868
P14209	CD99_HUMAN	CD99 antigen (12E7) (E2 antigen) (Protein MIC2) (T-cell surface glycoprotein E2) (	185	CD99	2	2	2	13	18.848
Q16543	CDC37_HUMAN	Hsp90 co-chaperone Cdc37 (Hsp90 chaperone protein kinase-targeting subunit) (p	378	CDC37	12	12	12	34.7	44.468
P60953	CDC42_HUMAN	Cell division control protein 42 homolog (G25K GTP-binding protein)	191	CDC42	8	8	7	42.4	21.258
Q99459	CDC5L_HUMAN	Cell division cycle 5-like protein (Cdc5-like protein) (Pombe cdc5-related protein)	802	CDC5L	5	5	5	8.4	92.25
O14735	CDIPT_HUMAN	CDP-diacylglycerol--inositol 3-phosphatidyltransferase (EC 2.7.8.11) (Phosphatidyl	213	CDIPT	1	1	1	4.7	23.539
P24941	CDK2_HUMAN	Cyclin-dependent kinase 2 (EC 2.7.11.22) (Cell division protein kinase 2) (p33 prot	298	CDK2	1	1	1	4.7	33.929
P11802	CDK4_HUMAN	Cyclin-dependent kinase 4 (EC 2.7.11.22) (Cell division protein kinase 4) (PSK-J3)	303	CDK4	1	1	1	4.3	33.729
Q00534	CDK6_HUMAN	Cyclin-dependent kinase 6 (EC 2.7.11.22) (Cell division protein kinase 6) (Serine/th	326	CDK6	2	2	2	8.3	36.938
P46527	CDN1B_HUMAN	Cyclin-dependent kinase inhibitor 1B (Cyclin-dependent kinase inhibitor p27) (p27K	198	CDKN1B	1	1	1	6.6	22.073
P42773	CDN2C_HUMAN	Cyclin-dependent kinase 4 inhibitor C (Cyclin-dependent kinase 6 inhibitor) (p18-IN	168	CDKN2C	2	2	2	10.7	18.127
O95674	CDS2_HUMAN	Phosphatidate cytidylyltransferase 2 (EC 2.7.7.41) (CDP-DAG synthase 2) (CDP-D	445	CDS2	4	4	4	13.5	51.417
Q9UKY7	CDV3_HUMAN	Protein CDV3 homolog	258	CDV3	5	5	5	44.2	27.335
Q5TB80	CE162_HUMAN	Centrosomal protein of 162 kDa (Cep162) (Protein QN1 homolog)	1403	CEP162	2	2	2	1.4	161.94
Q5SW79	CE170_HUMAN	Centrosomal protein of 170 kDa (Cep170) (KARP-1-binding protein) (KARP1-bindir	1584	CEP170	2	2	2	1.5	175.29
P17676	CEBPB_HUMAN	CCAAT/enhancer-binding protein beta (C/EBP beta) (Liver activator protein) (LAP)	345	CEBPB	2	2	2	8.1	36.105
Q9NZK5	CECR1_HUMAN	Adenosine deaminase CECR1 (EC 3.5.4.4) (Cat eye syndrome critical region prote	511	CECR1	1	1	1	2.3	58.933
Q03188	CENPC_HUMAN	Centromere protein C (CENP-C) (Centromere autoantigen C) (Centromere protein	943	CENPC	1	1	1	1.9	106.83
Q7Z7K6	CENPV_HUMAN	Centromere protein V (CENP-V) (Nuclear protein p30) (Proline-rich protein 6)	275	CENPV	3	3	3	13.5	29.946
Q96G23	CERS2_HUMAN	Ceramide synthase 2 (CerS2) (LAG1 longevity assurance homolog 2) (SP260) (Tui	380	CERS2	1	1	1	4.2	44.876

P00450	CERU_HUMAN	Ceruloplasmin (EC 1.16.3.1) (Ferroxidase)	1065 CP	30	30	30	35.2	122.2
P41208	CETN2_HUMAN	Centrin-2 (Caltractin isoform 1)	172 CETN2	3	3	3	15.7	19.738
Q7Z4R8	CF120_HUMAN	UPF0669 protein C6orf120	191 C6orf120	1	1	1	14.1	20.772
Q9P0P8	CF203_HUMAN	Uncharacterized protein C6orf203	240 C6orf203	1	1	1	9.2	27.941
Q9Y6A4	CFA20_HUMAN	Cilia- and flagella-associated protein 20 (Basal body up-regulated protein 22) (Tran	193 CFAP20	1	1	1	4.7	22.774
P00751	CFAB_HUMAN	Complement factor B (EC 3.4.21.47) (C3/C5 convertase) (Glycine-rich beta glycopr	764 CFB	26	26	26	33.8	85.532
P00746	CFAD_HUMAN	Complement factor D (EC 3.4.21.46) (Adipsin) (C3 convertase activator) (Properdir	253 CFD	9	9	9	45.1	27.033
P08603	CFAH_HUMAN	Complement factor H (H factor 1)	1231 CFH	48	48	42	48.7	139.09
P05156	CFAI_HUMAN	Complement factor I (EC 3.4.21.45) (C3B/C4B inactivator) [Cleaved into: Complem	583 CFI	10	10	10	22.5	65.75
Q9UEE9	CFDP1_HUMAN	Craniofacial development protein 1 (Bucentaur)	299 CFDP1	1	1	1	5	33.592
Q96HJ9	CG055_HUMAN	UPF0562 protein C7orf55	113 C7orf55	1	1	1	10.6	12.749
Q0VF96	CGNL1_HUMAN	Cingulin-like protein 1 (Junction-associated coiled-coil protein) (Paracingulin)	1302 CGNL1	2	2	2	1.9	149.08
P61604	CH10_HUMAN	10 kDa heat shock protein, mitochondrial (Hsp10) (10 kDa chaperonin) (Chaperoni	102 HSPE1	9	9	9	68.6	10.932
P10809	CH60_HUMAN	60 kDa heat shock protein, mitochondrial (60 kDa chaperonin) (Chaperonin 60) (CF	573 HSPD1	31	31	31	61.3	61.054
Q9Y6H1	CHCH2_HUMAN	Coiled-coil-helix-coiled-coil-helix domain-containing protein 2 (Aging-associated ge	151 CHCHD2	2	2	2	13.2	15.512
Q14839	CHD4_HUMAN	Chromodomain-helicase-DNA-binding protein 4 (CHD-4) (EC 3.6.4.12) (ATP-deper	1912 CHD4	6	6	5	3.6	218
Q8IWX8	CHERP_HUMAN	Calcium homeostasis endoplasmic reticulum protein (ERPROT 213-21) (SR-relatec	916 CHERP	1	1	1	1.4	103.7
Q9BWS9	CHID1_HUMAN	Chitinase domain-containing protein 1 (Stabilin-1-interacting chitinase-like protein) (	393 CHID1	6	6	6	15.8	44.94
Q9UNE7	CHIP_HUMAN	E3 ubiquitin-protein ligase CHIP (EC 2.3.2.27) (Antigen NY-CO-7) (CLL-associated	303 STUB1	3	3	3	9.2	34.856
P06276	CHLE_HUMAN	Cholinesterase (EC 3.1.1.8) (Acylcholine acylhydrolase) (Butyrylcholine esterase) (	602 BCHE	1	1	1	3.5	68.417
Q9HD42	CHM1A_HUMAN	Charged multivesicular body protein 1a (Chromatin-modifying protein 1a) (CHMP1a	196 CHMP1A	2	2	2	9.2	21.703
Q7LBR1	CHM1B_HUMAN	Charged multivesicular body protein 1b (CHMP1.5) (Chromatin-modifying protein 1	199 CHMP1B	3	3	3	11.1	22.109
O43633	CHM2A_HUMAN	Charged multivesicular body protein 2a (Chromatin-modifying protein 2a) (CHMP2a	222 CHMP2A	4	4	4	15.8	25.104
Q9UQN3	CHM2B_HUMAN	Charged multivesicular body protein 2b (CHMP2.5) (Chromatin-modifying protein 2	213 CHMP2B	4	4	4	15.5	23.906
Q9BY43	CHM4A_HUMAN	Charged multivesicular body protein 4a (Chromatin-modifying protein 4a) (CHMP4a	222 CHMP4A	2	2	2	9.5	25.098
Q9H444	CHM4B_HUMAN	Charged multivesicular body protein 4b (Chromatin-modifying protein 4b) (CHMP4b	224 CHMP4B	5	5	5	25.4	24.95
Q9Y3E7	CHMP3_HUMAN	Charged multivesicular body protein 3 (Chromatin-modifying protein 3) (Neuroendo	222 CHMP3	4	4	4	14.4	25.073
Q9NZZ3	CHMP5_HUMAN	Charged multivesicular body protein 5 (Chromatin-modifying protein 5) (SNF7 dom	219 CHMP5	5	5	5	21.9	24.57
Q96FZ7	CHMP6_HUMAN	Charged multivesicular body protein 6 (Chromatin-modifying protein 6) (Vacuolar p	201 CHMP6	1	1	1	6.5	23.485
Q99653	CHP1_HUMAN	Calcineurin B homologous protein 1 (Calcineurin B-like protein) (Calcium-binding p	195 CHP1	5	5	5	26.7	22.456
Q9UHD1	CHRD1_HUMAN	Cysteine and histidine-rich domain-containing protein 1 (CHORD domain-containin	332 CHORDC1	2	2	2	11.7	37.489
Q9Y3Y2	CHTOP_HUMAN	Chromatin target of PRMT1 protein (Friend of PRMT1 protein) (Small arginine- and	248 CHTOP	1	1	1	6.5	26.396
Q5T6V5	CI064_HUMAN	UPF0553 protein C9orf64	341 C9orf64	7	7	7	17.6	39.028
Q15642	CIP4_HUMAN	Cdc42-interacting protein 4 (Protein Felic) (Salt tolerant protein) (hSTP) (Thyroid re	601 TRIP10	9	9	9	18	68.351
Q14011	CIRBP_HUMAN	Cold-inducible RNA-binding protein (A18 hnRNP) (Glycine-rich RNA-binding protei	172 CIRBP	5	5	5	36	18.648
Q9NZ45	CISD1_HUMAN	CDGSH iron-sulfur domain-containing protein 1 (MitoNEET)	108 CISD1	2	2	2	25.9	12.199
Q8N5K1	CISD2_HUMAN	CDGSH iron-sulfur domain-containing protein 2 (Endoplasmic reticulum intermemb	135 CISD2	4	4	4	34.8	15.278
O75390	CISY_HUMAN	Citrate synthase, mitochondrial (EC 2.3.3.1) (Citrate (Si)-synthase)	466 CS	14	14	14	28.5	51.712
Q9H0W9	CK054_HUMAN	Ester hydrolase C11orf54 (EC 3.1.-.-)	315 C11orf54	3	3	3	11.7	35.117
Q9H3H3	CK068_HUMAN	UPF0696 protein C11orf68 (Basophilic leukemia-expressed protein Bles03) (Protei	251 C11orf68	3	3	3	13.9	27.354
Q7Z7L8	CK096_HUMAN	Uncharacterized protein C11orf96 (Protein Ag2 homolog)	435 C11orf96	3	3	3	14.3	46.113
Q96JB5	CK5P3_HUMAN	CDK5 regulatory subunit-associated protein 3 (CDK5 activator-binding protein C53'	506 CDK5RAP3	7	7	6	17.4	56.92
Q07065	CKAP4_HUMAN	Cytoskeleton-associated protein 4 (63-kDa cytoskeleton-linking membrane protein)	602 CKAP4	32	32	32	57.1	66.022
Q14008	CKAP5_HUMAN	Cytoskeleton-associated protein 5 (Colonic and hepatic tumor overexpressed gene	2032 CKAP5	13	13	13	6.4	225.49
Q7Z460	CLAP1_HUMAN	CLIP-associating protein 1 (Cytoplasmic linker-associated protein 1) (Multiple aster	1538 CLASP1	5	5	4	3.6	169.45
O75122	CLAP2_HUMAN	CLIP-associating protein 2 (Cytoplasmic linker-associated protein 2) (Protein Orbit	1294 CLASP2	4	3	3	3.3	141.13
Q86T13	CLC14_HUMAN	C-type lectin domain family 14 member A (Epidermal growth factor receptor 5) (EG	490 CLEC14A	1	1	1	2.2	51.635
P09496	CLCA_HUMAN	Clathrin light chain A (Lca)	248 CLTA	3	3	3	9.3	27.076
P09497	CLCB_HUMAN	Clathrin light chain B (Lcb)	229 CLTB	7	7	7	24.5	25.19
Q96S66	CLCC1_HUMAN	Chloride channel CLIC-like protein 1 (Mid-1-related chloride channel protein 1)	551 CLCC1	4	4	4	9.4	62.022
O95832	CLD1_HUMAN	Claudin-1 (Senescence-associated epithelial membrane protein)	211 CLDN1	1	1	1	4.3	22.744
O00501	CLD5_HUMAN	Claudin-5 (Transmembrane protein deleted in VCFS) (TMDVCF)	218 CLDN5	2	2	2	12.8	23.147

Q00610	CLH1_HUMAN	Clathrin heavy chain 1 (Clathrin heavy chain on chromosome 17) (CLH-17)	1675 CLTC	64	64	49	46.6	191.61
P53675	CLH2_HUMAN	Clathrin heavy chain 2 (Clathrin heavy chain on chromosome 22) (CLH-22)	1640 CLTCL1	16	1	1	9.2	187.03
O00299	CLIC1_HUMAN	Chloride intracellular channel protein 1 (Chloride channel ABP) (Nuclear chloride io	241 CLIC1	14	14	14	66.8	26.922
O15247	CLIC2_HUMAN	Chloride intracellular channel protein 2 (XAP121)	247 CLIC2	7	7	6	38.5	28.356
Q9Y696	CLIC4_HUMAN	Chloride intracellular channel protein 4 (Intracellular chloride ion channel protein p6	253 CLIC4	12	12	12	50.6	28.772
Q9NZA1	CLIC5_HUMAN	Chloride intracellular channel protein 5	410 CLIC5	2	2	2	4.4	46.502
P30622	CLIP1_HUMAN	CAP-Gly domain-containing linker protein 1 (Cytoplasmic linker protein 1) (Cytoplas	1438 CLIP1	12	12	11	10.8	162.24
Q9UDT6	CLIP2_HUMAN	CAP-Gly domain-containing linker protein 2 (Cytoplasmic linker protein 115) (CLIP-	1046 CLIP2	2	1	1	2.3	115.84
Q6UXG3	CLM9_HUMAN	CMRF35-like molecule 9 (CLM-9) (CD300 antigen-like family member G) (Triggerin	332 CD300LG	1	1	1	3	36.06
Q96JQ2	CLMN_HUMAN	Calmin (Calponin-like transmembrane domain protein)	1002 CLMN	3	3	3	4.7	111.65
Q9H078	CLPB_HUMAN	Caseinolytic peptidase B protein homolog (EC 3.6.1.3) (Suppressor of potassium tr	707 CLPB	2	2	2	4.4	78.728
Q16740	CLPP_HUMAN	ATP-dependent Clp protease proteolytic subunit, mitochondrial (EC 3.4.21.92) (Enc	277 CLPP	1	1	1	6.5	30.18
O75153	CLU_HUMAN	Clustered mitochondria protein homolog	1309 CLUH	2	2	2	1.5	146.67
Q15846	CLUL1_HUMAN	Clusterin-like protein 1 (Retinal-specific clusterin-like protein)	466 CLUL1	1	1	1	1.5	54.214
P10909	CLUS_HUMAN	Clusterin (Aging-associated gene 4 protein) (Apolipoprotein J) (Apo-J) (Compleme	449 CLU	15	15	15	34.7	52.494
Q8N0X4	CLYBL_HUMAN	Citrate lyase subunit beta-like protein, mitochondrial (Citrate lyase beta-like) (Beta-	340 CLYBL	4	4	4	15	37.359
P23946	CMA1_HUMAN	Chymase (EC 3.4.21.39) (Alpha-chymase) (Mast cell protease I)	247 CMA1	5	5	5	29.1	27.324
Q96DGG	CMBL_HUMAN	Carboxymethylenebutenolidase homolog (EC 3.1.-.-)	245 CMBL	6	6	6	21.2	28.048
O75746	CMC1_HUMAN	Calcium-binding mitochondrial carrier protein Aralar1 (Mitochondrial aspartate gluta	678 SLC25A12	14	14	11	26.4	74.761
Q9UJS0	CMC2_HUMAN	Calcium-binding mitochondrial carrier protein Aralar2 (Citrin) (Mitochondrial asparta	675 SLC25A13	7	4	4	11.9	74.175
P10645	CMGA_HUMAN	Chromogranin-A (CgA) (Pituitary secretory protein I) (SP-I) [Cleaved into: Vasostati	457 CHGA	1	1	1	5	50.688
Q8N1G2	CMTR1_HUMAN	Cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1 (EC 2.1.1.57) (Cap met	835 CMTR1	1	1	1	1.9	95.32
Q7Z3D6	CN159_HUMAN	UPF0317 protein C14orf159, mitochondrial	616 C14orf159	8	8	8	16.2	66.436
Q9Y224	CN166_HUMAN	UPF0568 protein C14orf166 (CLE7 homolog) (CLE)	244 C14orf166	10	10	10	44.3	28.068
P09543	CN37_HUMAN	2',3'-cyclic-nucleotide 3'-phosphodiesterase (CNP) (CNPase) (EC 3.1.4.37)	421 CNP	17	17	17	34.7	47.578
P62633	CNBP_HUMAN	Cellular nucleic acid-binding protein (CNBP) (Zinc finger protein 9)	177 CNBP	6	6	6	31.6	19.463
Q96KP4	CNDP2_HUMAN	Cytosolic non-specific dipeptidase (EC 3.4.13.18) (CNDP dipeptidase 2) (Carnosin	475 CNDP2	11	11	11	29.7	52.878
Q9P003	CNIH4_HUMAN	Protein cornichon homolog 4 (CNIH-4) (Cornichon family AMPA receptor auxiliary p	139 CNIH4	1	1	1	14.4	16.093
P51911	CNN1_HUMAN	Calponin-1 (Basic calponin) (Calponin H1, smooth muscle)	297 CNN1	16	16	15	54.2	33.17
Q99439	CNN2_HUMAN	Calponin-2 (Calponin H2, smooth muscle) (Neutral calponin)	309 CNN2	6	5	5	20.4	33.697
Q15417	CNN3_HUMAN	Calponin-3 (Calponin, acidic isoform)	329 CNN3	11	10	9	45	36.413
Q8NE01	CNNM3_HUMAN	Metal transporter CNNM3 (Ancient conserved domain-containing protein 3) (Cyclin-	707 CNNM3	1	1	1	2.3	76.118
A5YKK6	CNOT1_HUMAN	CCR4-NOT transcription complex subunit 1 (CCR4-associated factor 1) (Negative r	2376 CNOT1	6	6	6	2.5	266.94
Q9Y2B0	CNPY2_HUMAN	Protein canopy homolog 2 (MIR-interacting saposin-like protein) (Putative secreted	182 CNPY2	3	3	3	19.8	20.652
Q9BT09	CNPY3_HUMAN	Protein canopy homolog 3 (CTG repeat protein 4a) (Expanded repeat-domain prote	278 CNPY3	4	4	4	17.6	30.748
Q8N129	CNPY4_HUMAN	Protein canopy homolog 4	248 CNPY4	3	3	3	17.3	28.309
Q96F85	CNRP1_HUMAN	CB1 cannabinoid receptor-interacting protein 1 (CRIP-1)	164 CNRP1	3	3	3	21.3	18.648
P26992	CNTFR_HUMAN	Ciliary neurotrophic factor receptor subunit alpha (CNTF receptor subunit alpha) (C	372 CNTFR	2	2	2	5.9	40.633
P02452	CO1A1_HUMAN	Collagen alpha-1(I) chain (Alpha-1 type I collagen)	1464 COL1A1	43	43	40	32.6	138.94
P08123	CO1A2_HUMAN	Collagen alpha-2(I) chain (Alpha-2 type I collagen)	1366 COL1A2	39	39	39	31.1	129.31
P06681	CO2_HUMAN	Complement C2 (EC 3.4.21.43) (C3/C5 convertase) [Cleaved into: Complement C2	752 C2	8	8	8	12.1	83.267
P02458	CO2A1_HUMAN	Collagen alpha-1(II) chain (Alpha-1 type II collagen) [Cleaved into: Collagen alpha-	1487 COL2A1	5	3	3	4.1	141.78
P01024	CO3_HUMAN	Complement C3 (C3 and PZP-like alpha-2-macroglobulin domain-containing protei	1663 C3	101	101	89	64.8	187.15
P02461	CO3A1_HUMAN	Collagen alpha-1(III) chain	1466 COL3A1	21	21	15	16.6	138.56
P0C0L4	CO4A_HUMAN	Complement C4-A (Acidic complement C4) (C3 and PZP-like alpha-2-macroglobuli	1744 C4A	61	61	3	39.6	192.78
P02462	CO4A1_HUMAN	Collagen alpha-1(IV) chain [Cleaved into: Arresten]	1669 COL4A1	9	9	9	7.4	160.61
P08572	CO4A2_HUMAN	Collagen alpha-2(IV) chain [Cleaved into: Canstatin]	1712 COL4A2	21	21	21	17.9	167.55
Q01955	CO4A3_HUMAN	Collagen alpha-3(IV) chain (Goodpasture antigen) [Cleaved into: Tumstatin]	1670 COL4A3	1	1	1	0.5	161.81
Q14031	CO4A6_HUMAN	Collagen alpha-6(IV) chain	1691 COL4A6	5	5	5	3.1	163.8
P0C0L5	CO4B_HUMAN	Complement C4-B (Basic complement C4) (C3 and PZP-like alpha-2-macroglobulir	1744 C4B	60	2	2	39.1	192.75
P01031	CO5_HUMAN	Complement C5 (C3 and PZP-like alpha-2-macroglobulin domain-containing protei	1676 C5	26	26	22	18	188.3
P20908	CO5A1_HUMAN	Collagen alpha-1(V) chain	1838 COL5A1	12	12	12	7.8	183.56

P05997	CO5A2_HUMAN	Collagen alpha-2(V) chain	1499	COL5A2	12	12	12	11.1	144.91
P25940	CO5A3_HUMAN	Collagen alpha-3(V) chain	1745	COL5A3	7	7	7	4.1	172.12
P13671	CO6_HUMAN	Complement component C6	934	C6	23	23	23	27.3	104.79
P12109	CO6A1_HUMAN	Collagen alpha-1(VI) chain	1028	COL6A1	36	36	36	42.8	108.53
P12110	CO6A2_HUMAN	Collagen alpha-2(VI) chain	1019	COL6A2	34	34	34	31.6	108.58
P12111	CO6A3_HUMAN	Collagen alpha-3(VI) chain	3177	COL6A3	128	128	128	45.2	343.67
A6NMZ7	CO6A6_HUMAN	Collagen alpha-6(VI) chain	2263	COL6A6	23	23	23	13.7	247.17
P10643	CO7_HUMAN	Complement component C7	843	C7	18	18	18	27.8	93.517
P07357	CO8A_HUMAN	Complement component C8 alpha chain (Complement component 8 subunit alpha)	584	C8A	11	11	11	24.8	65.163
P27658	CO8A1_HUMAN	Collagen alpha-1(VIII) chain (Endothelial collagen) [Cleaved into: Vastatin]	744	COL8A1	2	2	2	2	73.363
P07358	CO8B_HUMAN	Complement component C8 beta chain (Complement component 8 subunit beta)	591	C8B	8	8	8	16.6	67.046
P07360	CO8G_HUMAN	Complement component C8 gamma chain	202	C8G	9	9	9	53.5	22.277
P02748	CO9_HUMAN	Complement component C9 [Cleaved into: Complement component C9a; Complement component C9b]	559	C9	16	16	16	28.6	63.173
Q9Y2R0	COA3_HUMAN	Cytochrome c oxidase assembly factor 3 homolog, mitochondrial (Coiled-coil domain)	106	COA3	3	3	3	26.4	11.731
Q5JTJ3	COA6_HUMAN	Cytochrome c oxidase assembly factor 6 homolog	125	COA6	1	1	1	10.4	14.116
Q13057	COASY_HUMAN	Bifunctional coenzyme A synthase (CoA synthase) (NBP) (POV-2) [Includes: Phosphatase]	564	COASY	1	1	1	2.1	62.328
Q53SF7	COBL1_HUMAN	Cordon-bleu protein-like 1	1204	COBLL1	7	7	7	8.2	131.79
Q99715	COCA1_HUMAN	Collagen alpha-1(XII) chain	3063	COL12A1	70	70	70	28.2	333.14
Q9HAK2	COE2_HUMAN	Transcription factor COE2 (Early B-cell factor 2) (EBF-2)	575	EBF2	1	1	1	2.3	62.649
Q05707	COEA1_HUMAN	Collagen alpha-1(XIV) chain (Undulin)	1796	COL14A1	64	64	64	44.5	193.51
P23528	COF1_HUMAN	Cofilin-1 (18 kDa phosphoprotein) (p18) (Cofilin, non-muscle isoform)	166	CFL1	16	16	13	78.9	18.502
Q9Y281	COF2_HUMAN	Cofilin-2 (Cofilin, muscle isoform)	166	CFL2	11	8	8	66.9	18.736
P39059	COFA1_HUMAN	Collagen alpha-1(XV) chain [Cleaved into: Restin (Endostatin-XV) (Related to endostatin)]	1388	COL15A1	15	15	15	13.8	141.72
Q07092	COGA1_HUMAN	Collagen alpha-1(XVI) chain	1604	COL16A1	5	5	5	3.3	157.75
P39060	COIA1_HUMAN	Collagen alpha-1(XVIII) chain [Cleaved into: Endostatin]	1754	COL18A1	15	15	15	11.4	178.19
Q5KU26	COL12_HUMAN	Collectin-12 (Collectin placenta protein 1) (CL-P1) (hCL-P1) (Nurse cell scavenger)	742	COLEC12	4	4	4	4.6	81.514
Q96P44	COLA1_HUMAN	Collagen alpha-1(XXI) chain	957	COL21A1	3	3	3	2.8	99.367
Q8N668	COMD1_HUMAN	COMM domain-containing protein 1 (Protein Murr1)	190	COMMD1	1	1	1	8.9	21.178
Q9UB11	COMD3_HUMAN	COMM domain-containing protein 3 (Protein Bup) (Protein PIL)	195	COMMD3	1	1	1	11.3	22.151
Q7Z4G1	COMD6_HUMAN	COMM domain-containing protein 6	85	COMMD6	1	1	1	10.6	9.638
Q9P000	COMD9_HUMAN	COMM domain-containing protein 9	198	COMMD9	3	3	3	24.7	21.819
Q9Y6G5	COMDA_HUMAN	COMM domain-containing protein 10	202	COMMD10	2	2	2	12.4	22.966
P21964	COMT_HUMAN	Catechol O-methyltransferase (EC 2.1.1.6)	271	COMT	7	7	7	35.1	30.037
P53621	COPA_HUMAN	Coatomer subunit alpha (Alpha-coat protein) (Alpha-COP) (HEP-COP) (HEPCOP)	1224	COPA	22	22	22	20.8	138.34
P53618	COPB_HUMAN	Coatomer subunit beta (Beta-coat protein) (Beta-COP)	953	COPB1	16	16	16	23	107.14
P35606	COPB2_HUMAN	Coatomer subunit beta' (Beta'-coat protein) (Beta'-COP) (p102)	906	COPB2	13	13	13	17.7	102.49
P48444	COPD_HUMAN	Coatomer subunit delta (Archain) (Delta-coat protein) (Delta-COP)	511	ARCN1	13	13	13	27.2	57.21
O14579	COPE_HUMAN	Coatomer subunit epsilon (Epsilon-coat protein) (Epsilon-COP)	308	COPE	3	3	3	12	34.482
Q9Y678	COPG1_HUMAN	Coatomer subunit gamma-1 (Gamma-1-coat protein) (Gamma-1-COP)	874	COPG1	14	14	13	18.4	97.717
Q9UBF2	COPG2_HUMAN	Coatomer subunit gamma-2 (Gamma-2-coat protein) (Gamma-2-COP)	871	COPG2	3	2	2	5.4	97.621
P61923	COPZ1_HUMAN	Coatomer subunit zeta-1 (Zeta-1-coat protein) (Zeta-1 COP)	177	COPZ1	5	5	5	49.2	20.198
Q9P299	COPZ2_HUMAN	Coatomer subunit zeta-2 (Zeta-2-coat protein) (Zeta-2 COP)	210	COPZ2	2	2	2	14.3	23.548
Q9NZJ6	COQ3_HUMAN	Ubiquinone biosynthesis O-methyltransferase, mitochondrial (3-demethylubiquinol O-methyltransferase)	369	COQ3	3	3	3	11.4	41.054
Q5HYK3	COQ5_HUMAN	2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial (EC 2.1.1.201) (2-methoxy-6-polyprenyl-1,4-benzoquinol methylase)	327	COQ5	3	3	3	10.4	37.14
Q9Y2Z9	COQ6_HUMAN	Ubiquinone biosynthesis monooxygenase COQ6, mitochondrial (EC 1.14.13.-) (Coq6)	468	COQ6	1	1	1	2.1	50.869
Q99807	COQ7_HUMAN	5-demethoxyubiquinone hydroxylase, mitochondrial (DMQ hydroxylase) (EC 1.14.1.1) (5-demethoxyubiquinone hydroxylase)	217	COQ7	2	2	2	9.2	24.277
Q8NI60	COQ8A_HUMAN	Atypical kinase COQ8A, mitochondrial (EC 2.7.-.-) (Chaperone activity of bc1 complex)	647	COQ8A	6	6	6	12.5	71.949
O75208	COQ9_HUMAN	Ubiquinone biosynthesis protein COQ9, mitochondrial	318	COQ9	4	4	4	12.6	35.509
P31146	COR1A_HUMAN	Coronin-1A (Coronin-like protein A) (Clipin-A) (Coronin-like protein p57) (Tryptophanase)	461	CORO1A	12	12	12	30.4	51.026
Q9BR76	COR1B_HUMAN	Coronin-1B (Coronin-2)	489	CORO1B	7	7	7	12.9	54.234
Q9ULV4	COR1C_HUMAN	Coronin-1C (Coronin-3) (hCRNN4)	474	CORO1C	12	12	12	21.3	53.248
Q9UQ03	COR2B_HUMAN	Coronin-2B (Coronin-like protein C) (Clipin-C) (Protein FC96)	480	CORO2B	2	2	2	3.3	54.953

P57737	CORO7_HUMAN	Coronin-7 (Crn7) (70 kDa WD repeat tumor rejection antigen homolog)	925	CORO7	8	8	8	11	100.6
Q2UY09	COSA1_HUMAN	Collagen alpha-1(XXVIII) chain	1125	COL28A1	18	18	18	14.8	116.66
P24468	COT2_HUMAN	COUP transcription factor 2 (COUP-TF2) (Apolipoprotein A-I regulatory protein 1) (	414	NR2F2	2	2	2	5.8	45.571
Q14019	COTL1_HUMAN	Coactosin-like protein	142	COTL1	6	6	6	52.1	15.945
P00403	COX2_HUMAN	Cytochrome c oxidase subunit 2 (Cytochrome c oxidase polypeptide II)	227	MT-CO2	5	5	5	22	25.565
P00414	COX3_HUMAN	Cytochrome c oxidase subunit 3 (Cytochrome c oxidase polypeptide III)	261	MT-CO3	1	1	1	5.4	29.95
P13073	COX41_HUMAN	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial (Cytochrome c oxidase pr	169	COX41	10	10	10	48.5	19.576
P20674	COX5A_HUMAN	Cytochrome c oxidase subunit 5A, mitochondrial (Cytochrome c oxidase polypeptid	150	COX5A	4	4	4	22	16.762
P10606	COX5B_HUMAN	Cytochrome c oxidase subunit 5B, mitochondrial (Cytochrome c oxidase polypeptid	129	COX5B	5	5	5	30.2	13.696
P09669	COX6C_HUMAN	Cytochrome c oxidase subunit 6C (Cytochrome c oxidase polypeptide VIc)	75	COX6C	2	2	2	21.3	8.7813
P24311	COX7B_HUMAN	Cytochrome c oxidase subunit 7B, mitochondrial (Cytochrome c oxidase polypeptid	80	COX7B	2	2	2	10	9.1604
P15954	COX7C_HUMAN	Cytochrome c oxidase subunit 7C, mitochondrial (Cytochrome c oxidase polypeptid	63	COX7C	2	2	2	28.6	7.2454
O14548	COX7R_HUMAN	Cytochrome c oxidase subunit 7A-related protein, mitochondrial (COX7a-related pr	114	COX7A2L	1	1	1	11.4	12.615
P10176	COX8A_HUMAN	Cytochrome c oxidase subunit 8A, mitochondrial (Cytochrome c oxidase polypeptid	69	COX8A	1	1	1	13	7.579
Q7Z3J2	CP062_HUMAN	UPF0505 protein C16orf62 (Esophageal cancer-associated protein)	963	C16orf62	6	6	6	7.4	109.56
Q6UW02	CP20A_HUMAN	Cytochrome P450 20A1 (EC 1.14.-.-)	462	CYP20A1	3	3	3	8.9	52.432
O75881	CP7B1_HUMAN	25-hydroxycholesterol 7-alpha-hydroxylase (EC 1.14.14.29) (Cytochrome P450 7B-	506	CYP7B1	1	1	1	2	58.255
P22792	CPN2_HUMAN	Carboxypeptidase N subunit 2 (Carboxypeptidase N 83 kDa chain) (Carboxypeptid	545	CPN2	4	4	4	10.6	60.556
Q99829	CPNE1_HUMAN	Copine-1 (Chromobindin 17) (Copine I)	537	CPNE1	6	6	6	12.5	59.058
O75131	CPNE3_HUMAN	Copine-3 (Copine III)	537	CPNE3	11	11	11	23.6	60.13
P04632	CPNS1_HUMAN	Calpain small subunit 1 (CSS1) (Calcium-activated neutral proteinase small subuni	268	CAPNS1	8	8	8	47.4	28.315
Q9BRF8	CPPED_HUMAN	Serine/threonine-protein phosphatase CPPED1 (EC 3.1.3.16) (Calcineurin-like pho	314	CPPED1	4	4	4	13.1	35.548
Q10570	CPSF1_HUMAN	Cleavage and polyadenylation specificity factor subunit 1 (Cleavage and polyadeny	1443	CPSF1	1	1	1	0.6	160.88
O43809	CPSF5_HUMAN	Cleavage and polyadenylation specificity factor subunit 5 (Cleavage and polyadeny	227	NUDT21	2	2	2	13.2	26.227
Q16630	CPSF6_HUMAN	Cleavage and polyadenylation specificity factor subunit 6 (Cleavage and polyadeny	551	CPSF6	6	6	6	15.4	59.209
Q8N684	CPSF7_HUMAN	Cleavage and polyadenylation specificity factor subunit 7 (Cleavage and polyadeny	471	CPSF7	1	1	1	2.3	52.049
P50416	CPT1A_HUMAN	Carnitine O-palmitoyltransferase 1, liver isoform (CPT1-L) (EC 2.3.1.21) (Carnitine	773	CPT1A	9	9	9	13.3	88.367
P23786	CPT2_HUMAN	Carnitine O-palmitoyltransferase 2, mitochondrial (EC 2.3.1.21) (Carnitine palmitoyl	658	CPT2	8	8	8	14	73.776
Q9H3G5	CPVL_HUMAN	Probable serine carboxypeptidase CPVL (EC 3.4.16.-) (Carboxypeptidase, vitellog	476	CPVL	3	3	3	7.4	54.163
Q96SM3	CPXM1_HUMAN	Probable carboxypeptidase X1 (EC 3.4.17.-) (Metalloproteinase CPX-1)	734	CPXM1	1	1	1	1.6	81.667
Q6JBY9	CPZIP_HUMAN	CapZ-interacting protein (Protein kinase substrate CapZIP) (RCS domain-contain	416	RCSL1	1	1	1	3.1	44.503
Q9BQA9	CQ062_HUMAN	Uncharacterized protein C17orf62	187	C17orf62	2	2	2	11.8	20.774
Q9NQ79	CRAC1_HUMAN	Cartilage acidic protein 1 (68 kDa chondrocyte-expressed protein) (CEP-68) (ASPI	661	CRTAC1	2	2	2	3.3	71.42
Q68DQ2	CRBG3_HUMAN	Very large A-kinase anchor protein (vIAKAP) (Beta/gamma crystallin domain-contai	2970	CRYBG3	1	1	1	0.4	330.63
Q9BU40	CRDL1_HUMAN	Chordin-like protein 1 (Neuralin-1) (Neurogenesis-1) (Ventroptin)	450	CHRD1	1	1	1	3.6	51.167
Q96HD1	CREL1_HUMAN	Cysteine-rich with EGF-like domain protein 1	420	CRELD1	2	2	2	6.7	45.439
Q6UXH1	CREL2_HUMAN	Cysteine-rich with EGF-like domain protein 2	353	CRELD2	1	1	1	4.5	38.191
P50238	CRIP1_HUMAN	Cysteine-rich protein 1 (CRP-1) (Cysteine-rich heart protein) (CRHP) (hCRHP) (Cy	77	CRIP1	3	3	3	31.2	8.5328
P52943	CRIP2_HUMAN	Cysteine-rich protein 2 (CRP-2) (Protein ESP1)	208	CRIP2	7	7	7	34.1	22.492
P46108	CRK_HUMAN	Adapter molecule crk (Proto-oncogene c-Crk) (p38)	304	CRK	8	8	8	35.9	33.83
P46109	CRKL_HUMAN	Crk-like protein	303	CRKL	7	7	7	35.6	33.777
Q8IUI8	CRLF3_HUMAN	Cytokine receptor-like factor 3 (Cytokine receptor-like molecule 9) (CREME-9) (Cyt	442	CRLF3	1	1	1	2	49.765
Q5TZA2	CROCC_HUMAN	Rootletin (Ciliary rootlet coiled-coil protein)	2017	CROCC	2	2	2	0.9	228.52
Q5IJ48	CRUM2_HUMAN	Protein crumbs homolog 2 (Crumbs-like protein 2)	1285	CRB2	1	1	1	0.6	134.26
P02511	CRYAB_HUMAN	Alpha-crystallin B chain (Alpha(B)-crystallin) (Heat shock protein beta-5) (HspB5) (F	175	CRYAB	10	10	10	60	20.159
Q9Y2S2	CRYL1_HUMAN	Lambda-crystallin homolog (EC 1.1.1.45) (L-gulonate 3-dehydrogenase) (Gul3DH)	319	CRYL1	4	4	4	12.9	35.419
Q9BQ61	CS043_HUMAN	Uncharacterized protein C19orf43	176	C19orf43	1	1	1	8	18.419
Q9Y600	CSAD_HUMAN	Cysteine sulfinate decarboxylase (EC 4.1.1.29) (Cysteine-sulfinate decarboxyla	493	CSAD	2	2	2	4.9	55.023
O75534	CSDE1_HUMAN	Cold shock domain-containing protein E1 (N-ras upstream gene protein) (Protein U	798	CSDE1	8	8	8	13.5	88.884
P41240	CSK_HUMAN	Tyrosine-protein kinase CSK (EC 2.7.10.2) (C-Src kinase) (Protein-tyrosine kinase	450	CSK	3	3	3	7.1	50.704
P68400	CSK21_HUMAN	Casein kinase II subunit alpha (CK II alpha) (EC 2.7.11.1)	391	CSNK2A1	3	3	3	11	45.143
P67870	CSK2B_HUMAN	Casein kinase II subunit beta (CK II beta) (Phosvitin) (Protein G5a)	215	CSNK2B	3	3	3	19.1	24.942

Q8WXE0	CSK12_HUMAN	Caskin-2 (CASK-interacting protein 2)	1202	CASKIN2	1	1	1	1.2	126.78
O14936	CSKP_HUMAN	Peripheral plasma membrane protein CASK (hCASK) (EC 2.7.11.1) (Calcium/calmodulin-dependent protein kinase II)	926	CASK	5	5	5	5.5	105.12
Q13098	CSN1_HUMAN	COP9 signalosome complex subunit 1 (SGN1) (Signalosome subunit 1) (G protein-coupled receptor signaling pathway)	491	GPS1	7	7	7	17.3	55.536
P61201	CSN2_HUMAN	COP9 signalosome complex subunit 2 (SGN2) (Signalosome subunit 2) (Alien homolog)	443	COPS2	8	8	8	16.7	51.596
Q9UN52	CSN3_HUMAN	COP9 signalosome complex subunit 3 (SGN3) (Signalosome subunit 3) (JAB1-conjugating ubiquitin ligase)	423	COPS3	7	7	7	21	47.873
Q9BT78	CSN4_HUMAN	COP9 signalosome complex subunit 4 (SGN4) (Signalosome subunit 4) (JAB1-conjugating ubiquitin ligase)	406	COPS4	8	8	8	25.9	46.268
Q92905	CSN5_HUMAN	COP9 signalosome complex subunit 5 (SGN5) (Signalosome subunit 5) (EC 3.4.-.-)	334	COPS5	6	6	5	23.7	37.578
Q7L5N1	CSN6_HUMAN	COP9 signalosome complex subunit 6 (SGN6) (Signalosome subunit 6) (JAB1-conjugating ubiquitin ligase)	327	COPS6	3	3	3	11.9	36.163
Q9UBW8	CSN7A_HUMAN	COP9 signalosome complex subunit 7a (SGN7a) (Signalosome subunit 7a) (Dermatoprotein)	275	COPS7A	6	6	6	25.5	30.276
Q99627	CSN8_HUMAN	COP9 signalosome complex subunit 8 (SGN8) (Signalosome subunit 8) (COP9 homolog)	209	COPS8	3	3	3	23.9	23.225
P13611	CSPG2_HUMAN	Versican core protein (Chondroitin sulfate proteoglycan core protein 2) (Chondroitin sulfate proteoglycan)	3396	VCAN	15	15	15	5	372.82
Q6UVK1	CSPG4_HUMAN	Chondroitin sulfate proteoglycan 4 (Chondroitin sulfate proteoglycan NG2) (Melanocyte)	2322	CSPG4	17	17	17	11.3	250.53
P21291	CSRP1_HUMAN	Cysteine and glycine-rich protein 1 (Cysteine-rich protein 1) (CRP) (CRP1) (Epididymal cysteine-rich protein)	193	CSRP1	13	13	13	64.8	20.567
Q16527	CSRP2_HUMAN	Cysteine and glycine-rich protein 2 (Cysteine-rich protein 2) (CRP2) (LIM domain containing)	193	CSRP2	9	9	9	45.6	20.954
P33240	CSTF2_HUMAN	Cleavage stimulation factor subunit 2 (CF-1 64 kDa subunit) (Cleavage stimulation factor)	577	CSTF2	2	2	2	3.8	60.959
Q9GZN8	CT027_HUMAN	UPF0687 protein C20orf27	174	C20orf27	1	1	1	12.1	19.291
Q13363	CTBP1_HUMAN	C-terminal-binding protein 1 (CtBP1) (EC 1.1.1.-)	440	CTBP1	3	3	3	7.7	47.535
P49711	CTCF_HUMAN	Transcriptional repressor CTCF (11-zinc finger protein) (CCCTC-binding factor) (CtCF)	727	CTCF	1	1	1	1.4	82.785
Q9GZU7	CTDS1_HUMAN	Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1 (Eukaryotic translation initiation factor)	261	CTDSP1	1	1	1	3.4	29.203
Q8WVW5	CTL1_HUMAN	Choline transporter-like protein 1 (CDw92) (Solute carrier family 44 member 1) (CD transporter)	657	SLC44A1	2	2	2	2.1	73.301
Q8IWA5	CTL2_HUMAN	Choline transporter-like protein 2 (Solute carrier family 44 member 2)	706	SLC44A2	5	5	5	10.1	80.123
P35221	CTNA1_HUMAN	Catenin alpha-1 (Alpha E-catenin) (Cadherin-associated protein) (Renal carcinoma antigen)	906	CTNNA1	21	21	21	30.1	100.07
P35222	CTNB1_HUMAN	Catenin beta-1 (Beta-catenin)	781	CTNNB1	7	7	6	9.3	85.496
O60716	CTND1_HUMAN	Catenin delta-1 (Cadherin-associated Src substrate) (CAS) (p120 catenin) (p120 catenin)	968	CTNND1	15	15	15	20.6	108.17
Q13616	CUL1_HUMAN	Cullin-1 (CUL-1)	776	CUL1	3	3	3	5.5	89.677
Q13617	CUL2_HUMAN	Cullin-2 (CUL-2)	745	CUL2	5	5	5	5.6	86.982
Q13618	CUL3_HUMAN	Cullin-3 (CUL-3)	768	CUL3	9	9	9	13.2	88.929
Q13620	CUL4B_HUMAN	Cullin-4B (CUL-4B)	913	CUL4B	7	7	7	8	103.98
Q93034	CUL5_HUMAN	Cullin-5 (CUL-5) (Vasopressin-activated calcium-mobilizing receptor 1) (VACM-1)	780	CUL5	6	6	6	7.9	90.954
P12074	CX6A1_HUMAN	Cytochrome c oxidase subunit 6A1, mitochondrial (Cytochrome c oxidase polypeptide)	109	COX6A1	1	1	1	26.6	12.155
P14854	CX6B1_HUMAN	Cytochrome c oxidase subunit 6B1 (Cytochrome c oxidase subunit VIb isoform 1) (Cytochrome c oxidase)	86	COX6B1	7	7	7	83.7	10.192
P24310	CX7A1_HUMAN	Cytochrome c oxidase subunit 7A1, mitochondrial (Cytochrome c oxidase subunit VIIa)	79	COX7A1	1	1	1	16.5	9.1174
P14406	CX7A2_HUMAN	Cytochrome c oxidase subunit 7A2, mitochondrial (Cytochrome c oxidase subunit VIIa)	83	COX7A2	2	2	2	27.7	9.3959
P17302	CXA1_HUMAN	Gap junction alpha-1 protein (Connexin-43) (Cx43) (Gap junction 43 kDa heart protein)	382	GJA1	3	3	3	7.9	43.008
P36382	CXA5_HUMAN	Gap junction alpha-5 protein (Connexin-40) (Cx40)	358	GJA5	1	1	1	4.2	40.38
P02775	CXCL7_HUMAN	Platelet basic protein (PBP) (C-X-C motif chemokine 7) (Leukocyte-derived growth factor)	128	PPBP	5	5	5	43.8	13.894
P08574	CY1_HUMAN	Cytochrome c1, heme protein, mitochondrial (Complex III subunit 4) (Complex III subunit 4)	325	CYC1	4	4	4	16.6	35.422
P13498	CY24A_HUMAN	Cytochrome b-245 light chain (Cytochrome b(558) alpha chain) (Cytochrome b558)	195	CYBA	2	2	2	12.8	21.012
P04839	CY24B_HUMAN	Cytochrome b-245 heavy chain (EC 1.-.-.-) (CGD91-phox) (Cytochrome b(558) subunit)	570	CYBB	3	3	3	6.7	65.335
P00156	CYB_HUMAN	Cytochrome b (Complex III subunit 3) (Complex III subunit III) (Cytochrome b-c1 complex)	380	MT-CYB	1	1	1	2.4	42.717
P00167	CYB5_HUMAN	Cytochrome b5 (Microsomal cytochrome b5 type A) (MCB5)	134	CYB5A	6	6	6	56	15.33
O43169	CYB5B_HUMAN	Cytochrome b5 type B (Cytochrome b5 outer mitochondrial membrane isoform)	146	CYB5B	4	4	4	25.3	16.332
Q9HB71	CYBP_HUMAN	Calcyclin-binding protein (CacyBP) (hCacyBP) (S100A6-binding protein) (Siah-interacting protein)	228	CACYBP	8	8	8	35.1	26.21
Q53TN4	CYBR1_HUMAN	Cytochrome b reductase 1 (EC 1.-.-.-) (Duodenal cytochrome b) (Ferric-chelate reductase)	286	CYBRD1	2	2	2	8	31.641
P99999	CYC_HUMAN	Cytochrome c	105	CYCS	6	6	6	49.5	11.749
Q7L576	CYFP1_HUMAN	Cytoplasmic FMR1-interacting protein 1 (Specifically Rac1-associated protein 1) (SRA)	1253	CYFIP1	15	15	15	12.8	145.18
Q8WVW9	CYGB_HUMAN	Cytoglobin (Histoglobin) (HGb) (Stellate cell activation-associated protein)	190	CYGB	1	1	1	5.8	21.404
P04080	CYTB_HUMAN	Cystatin-B (CPI-B) (Liver thiol proteinase inhibitor) (Stefin-B)	98	CSTB	4	4	4	55.1	11.139
P01034	CYTC_HUMAN	Cystatin-C (Cystatin-3) (Gamma-trace) (Neuroendocrine basic polypeptide) (Post-glycosylated)	146	CST3	6	6	6	47.9	15.799
Q15828	CYTM_HUMAN	Cystatin-M (Cystatin-6) (Cystatin-E)	149	CST6	1	1	1	14.1	16.511
Q9H1C7	CYTM1_HUMAN	Cysteine-rich and transmembrane domain-containing protein 1	97	CYSTM1	1	1	1	10.3	10.631
Q69YQ0	CY TSA_HUMAN	Cytospin-A (Renal carcinoma antigen NY-REN-22) (Sperm antigen with calponin homolog)	1117	SPECC1L	1	1	1	1.3	124.6

Q5M775	CYTSB_HUMAN	Cytospin-B (Nuclear structure protein 5) (NSP5) (Sperm antigen HCMOGT-1) (Spe	1068	SPECC1	2	2	2	1.8	118.58
Q86Y56	DAAF5_HUMAN	Dynein assembly factor 5, axonemal (HEAT repeat-containing protein 2)	855	DNAAF5	1	1	1	1.3	93.52
P98082	DAB2_HUMAN	Disabled homolog 2 (Adaptor molecule disabled-2) (Differentially expressed in ovar	770	DAB2	5	5	5	8.8	82.447
P61803	DAD1_HUMAN	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1 (Olig	113	DAD1	3	3	3	28.3	12.497
P08174	DAF_HUMAN	Complement decay-accelerating factor (CD antigen CD55)	381	CD55	8	8	8	22	41.4
Q14118	DAG1_HUMAN	Dystroglycan (Dystrophin-associated glycoprotein 1) [Cleaved into: Alpha-dystrogly	895	DAG1	11	11	11	14.2	97.44
P51397	DAP1_HUMAN	Death-associated protein 1 (DAP-1)	102	DAP	3	3	3	23.5	11.164
Q96EP5	DAZP1_HUMAN	DAZ-associated protein 1 (Deleted in azoospermia-associated protein 1)	407	DAZAP1	2	2	2	7.6	43.383
Q9NR28	DBLOH_HUMAN	Diablo homolog, mitochondrial (Direct IAP-binding protein with low pI) (Second mitc	239	DIABLO	2	2	2	7.9	27.131
Q9UJU6	DBNL_HUMAN	Drebrin-like protein (Cervical SH3P7) (Cervical mucin-associated protein) (Drebrin-	430	DBNL	16	16	16	41.6	48.207
Q13409	DC1I2_HUMAN	Cytoplasmic dynein 1 intermediate chain 2 (Cytoplasmic dynein intermediate chain	638	DYNC1I2	11	11	11	23.7	71.456
Q9Y6G9	DC1L1_HUMAN	Cytoplasmic dynein 1 light intermediate chain 1 (LIC1) (Dynein light chain A) (DLC-	523	DYNC1LI1	6	5	5	15.7	56.578
O43237	DC1L2_HUMAN	Cytoplasmic dynein 1 light intermediate chain 2 (Dynein light intermediate chain 2, i	492	DYNC1LI2	12	12	11	25.6	54.099
Q8WVC6	DCAKD_HUMAN	Dephospho-CoA kinase domain-containing protein	231	DCAKD	2	2	2	9.1	26.55
P81605	DCD_HUMAN	Dermcidin (EC 3.4.-.-) (Preproteolysin) [Cleaved into: Survival-promoting peptide; C	110	DCD	3	3	3	29.1	11.284
P27707	DCK_HUMAN	Deoxycytidine kinase (dCK) (EC 2.7.1.74)	260	DCK	1	1	1	4.2	30.518
O15075	DCLK1_HUMAN	Serine/threonine-protein kinase DCLK1 (EC 2.7.11.1) (Doublecortin domain-contair	740	DCLK1	10	10	10	16.1	82.223
Q95822	DCMC_HUMAN	Malonyl-CoA decarboxylase, mitochondrial (MCD) (EC 4.1.1.9)	493	MLYCD	5	5	5	13.6	55.003
Q96GG9	DCNL1_HUMAN	DCN1-like protein 1 (DCUN1 domain-containing protein 1) (Defective in cullin nedd	259	DCUN1D1	3	3	3	13.5	30.124
Q96C86	DCPS_HUMAN	m7GpppX diphosphatase (EC 3.6.1.59) (DCS-1) (Decapping scavenger enzyme) (I	337	DCPS	5	5	5	20.5	38.608
Q14203	DCTN1_HUMAN	Dynactin subunit 1 (150 kDa dynein-associated polypeptide) (DAP-150) (DP-150) (	1278	DCTN1	27	27	27	25	141.69
Q13561	DCTN2_HUMAN	Dynactin subunit 2 (50 kDa dynein-associated polypeptide) (Dynactin complex 50 k	401	DCTN2	13	13	13	41.9	44.23
O75935	DCTN3_HUMAN	Dynactin subunit 3 (Dynactin complex subunit 22 kDa subunit) (p22)	186	DCTN3	5	5	5	28.5	21.119
Q9UJW0	DCTN4_HUMAN	Dynactin subunit 4 (Dyn4) (Dynactin subunit p62)	460	DCTN4	1	1	1	5.9	52.337
Q9BTE1	DCTN5_HUMAN	Dynactin subunit 5 (Dynactin subunit p25)	182	DCTN5	1	1	1	5.5	20.126
O00399	DCTN6_HUMAN	Dynactin subunit 6 (Dynactin subunit p27) (Protein WS-3)	190	DCTN6	2	2	2	11.6	20.747
Q9H773	DCTP1_HUMAN	dCTP pyrophosphatase 1 (EC 3.6.1.12) (Deoxycytidine-triphosphatase 1) (dCTPas	170	DCTPP1	1	1	1	7.6	18.681
P06132	DCUP_HUMAN	Uroporphyrinogen decarboxylase (UPD) (URO-D) (EC 4.1.1.37)	367	UROD	3	3	3	10.9	40.786
Q7Z4W1	DCXR_HUMAN	L-xylulose reductase (XR) (EC 1.1.1.10) (Carbonyl reductase II) (Dicarbonyl/L-xylul	244	DCXR	6	6	6	30.3	25.913
Q9NUU7	DD19A_HUMAN	ATP-dependent RNA helicase DDX19A (EC 3.6.4.13) (DDX19-like protein) (DEAD	478	DDX19A	7	7	7	19.9	53.974
O94760	DDAH1_HUMAN	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1 (DDAH-1) (Dimethylarginine	285	DDAH1	7	7	7	31.6	31.121
Q95865	DDAH2_HUMAN	N(G),N(G)-dimethylarginine dimethylaminohydrolase 2 (DDAH-2) (Dimethylarginine	285	DDAH2	11	11	11	50.5	29.644
Q16531	DDB1_HUMAN	DNA damage-binding protein 1 (DDB p127 subunit) (DNA damage-binding protein ;	1140	DDB1	19	19	19	18.9	126.97
Q92466	DDB2_HUMAN	DNA damage-binding protein 2 (DDB p48 subunit) (DDBb) (Damage-specific DNA-	427	DDB2	1	1	1	2.1	47.863
Q5TDH0	DDI2_HUMAN	Protein DDI1 homolog 2	399	DDI2	6	6	6	16.8	44.522
Q96HY6	DDR GK_HUMAN	DDR GK domain-containing protein 1 (Dashurin) (UFM1-binding and PCI domain-cc	314	DDR GK1	3	3	3	13.7	35.61
Q92499	DDX1_HUMAN	ATP-dependent RNA helicase DDX1 (EC 3.6.4.13) (DEAD box protein 1) (DEAD br	740	DDX1	18	18	18	30.8	82.431
Q92841	DDX17_HUMAN	Probable ATP-dependent RNA helicase DDX17 (EC 3.6.4.13) (DEAD box protein 1	729	DDX17	20	20	13	33.6	80.272
Q9NVP1	DDX18_HUMAN	ATP-dependent RNA helicase DDX18 (EC 3.6.4.13) (DEAD box protein 18) (Myc-r	670	DDX18	4	4	4	6.6	75.406
Q9UHI6	DDX20_HUMAN	Probable ATP-dependent RNA helicase DDX20 (EC 3.6.4.13) (Component of gems	824	DDX20	1	1	1	2.3	92.239
Q9NR30	DDX21_HUMAN	Nucleolar RNA helicase 2 (EC 3.6.4.13) (DEAD box protein 21) (Gu-alpha) (Nucleo	783	DDX21	3	3	3	3.2	87.343
Q9BUQ8	DDX23_HUMAN	Probable ATP-dependent RNA helicase DDX23 (EC 3.6.4.13) (100 kDa U5 snRNP	820	DDX23	4	4	4	6.6	95.581
Q9GZR7	DDX24_HUMAN	ATP-dependent RNA helicase DDX24 (EC 3.6.4.13) (DEAD box protein 24)	859	DDX24	1	1	1	0.9	96.331
O00571	DDX3X_HUMAN	ATP-dependent RNA helicase DDX3X (EC 3.6.4.13) (DEAD box protein 3, X-chrom	662	DDX3X	10	9	4	17.4	73.243
O15523	DDX3Y_HUMAN	ATP-dependent RNA helicase DDX3Y (EC 3.6.4.13) (DEAD box protein 3, Y-chrom	660	DDX3Y	8	2	2	15	73.153
Q86XP3	DDX42_HUMAN	ATP-dependent RNA helicase DDX42 (EC 3.6.4.13) (DEAD box protein 42) (RNA t	938	DDX42	6	6	6	9.4	102.97
Q7L014	DDX46_HUMAN	Probable ATP-dependent RNA helicase DDX46 (EC 3.6.4.13) (DEAD box protein 4	1031	DDX46	4	4	4	4.2	117.36
P17844	DDX5_HUMAN	Probable ATP-dependent RNA helicase DDX5 (EC 3.6.4.13) (DEAD box protein 5)	614	DDX5	19	12	12	29.8	69.147
O95786	DDX58_HUMAN	Probable ATP-dependent RNA helicase DDX58 (EC 3.6.4.13) (DEAD box protein 5	925	DDX58	2	2	2	3	106.6
P26196	DDX6_HUMAN	Probable ATP-dependent RNA helicase DDX6 (EC 3.6.4.13) (ATP-dependent RNA	483	DDX6	5	5	5	11.8	54.416
Q8IY21	DDX60_HUMAN	Probable ATP-dependent RNA helicase DDX60 (EC 3.6.4.13) (DEAD box protein 6	1712	DDX60	1	1	1	0.6	197.85
Q16698	DECR_HUMAN	2,4-dienoyl-CoA reductase, mitochondrial (EC 1.3.1.34) (2,4-dienoyl-CoA reductase	335	DECR1	16	16	16	53.1	36.067

P59666	DEF3_HUMAN	Neutrophil defensin 3 (Defensin, alpha 3) (HNP-3) (HP-3) (HP3) [Cleaved into: HP : 94	DEFA3	2	2	2	19.1	10.245
P35659	DEK_HUMAN	Protein DEK	375 DEK	6	6	6	14.1	42.674
Q08495	DEMA_HUMAN	Dematin (Dematin actin-binding protein) (Erythrocyte membrane protein band 4.9)	405 DMTN	4	4	4	11.4	45.514
Q5VZ89	DEN4C_HUMAN	DENN domain-containing protein 4C	1673 DENND4C	3	3	3	2.2	186.85
O43583	DENR_HUMAN	Density-regulated protein (DRP) (Protein DRP1) (Smooth muscle cell-associated pr	198 DENR	4	4	4	25.8	22.092
Q9Y315	DEOC_HUMAN	Deoxyribose-phosphate aldolase (DERA) (EC 4.1.2.4) (2-deoxy-D-ribose 5-phosph	318 DERA	7	7	7	22.6	35.23
Q07507	DERM_HUMAN	Dermatopontin (Tyrosine-rich acidic matrix protein) (TRAMP)	201 DPT	8	8	8	50.7	24.005
P17661	DESM_HUMAN	Desmin	470 DES	35	30	30	68.3	53.535
P15924	DESP_HUMAN	Desmoplakin (DP) (250/210 kDa paraneoplastic pemphigus antigen)	2871 DSP	19	19	19	7.3	331.77
P60981	DEST_HUMAN	Dextrin (Actin-depolymerizing factor) (ADF)	165 DSTN	13	12	12	69.1	18.506
O00273	DFFA_HUMAN	DNA fragmentation factor subunit alpha (DNA fragmentation factor 45 kDa subunit)	331 DFFA	4	4	4	18.4	36.521
O60443	DFNA5_HUMAN	Non-syndromic hearing impairment protein 5 (Inversely correlated with estrogen rec	496 DFNA5	2	2	2	4.6	54.554
P23743	DGKA_HUMAN	Diacylglycerol kinase alpha (DAG kinase alpha) (EC 2.7.1.107) (80 kDa diacylglyce	735 DGKA	2	2	2	3.7	82.629
Q8NBQ5	DHB11_HUMAN	Estradiol 17-beta-dehydrogenase 11 (EC 1.1.1.62) (17-beta-hydroxysteroid dehydr	300 HSD17B11	3	3	3	14	32.935
Q53GQ0	DHB12_HUMAN	Very-long-chain 3-oxoacyl-CoA reductase (EC 1.1.1.330) (17-beta-hydroxysteroid c	312 HSD17B12	10	10	10	33	34.324
P51659	DHB4_HUMAN	Peroxisomal multifunctional enzyme type 2 (MFE-2) (17-beta-hydroxysteroid dehyd	736 HSD17B4	12	12	12	22	79.685
Q92506	DHB8_HUMAN	Estradiol 17-beta-dehydrogenase 8 (EC 1.1.1.62) (17-beta-hydroxysteroid dehydro	261 HSD17B8	4	4	4	19.2	26.973
Q9UBM7	DHCR7_HUMAN	7-dehydrocholesterol reductase (7-DHC reductase) (EC 1.3.1.21) (Putative sterol re	475 DHCR7	1	1	1	2.7	54.489
P00367	DHE3_HUMAN	Glutamate dehydrogenase 1, mitochondrial (GDH 1) (EC 1.4.1.3)	558 GLUD1	22	22	9	42.8	61.397
P09417	DHPR_HUMAN	Dihydropteridine reductase (EC 1.5.1.34) (HDHPR) (Quinoid dihydropteridine reduc	244 QDPR	6	6	6	32.8	25.789
Q6UWP2	DHR11_HUMAN	Dehydrogenase/reductase SDR family member 11 (EC 1.1.-.-) (Short-chain dehydr	260 DHRS11	2	2	2	12.7	28.308
Q96LJ7	DHRS1_HUMAN	Dehydrogenase/reductase SDR family member 1 (EC 1.1.-.-) (Short chain dehydro	313 DHRS1	3	3	3	15	33.909
O75911	DHRS3_HUMAN	Short-chain dehydrogenase/reductase 3 (EC 1.1.1.300) (DD83.1) (Retinal short-ch	302 DHRS3	1	1	1	4.3	33.548
Q9BTZ2	DHRS4_HUMAN	Dehydrogenase/reductase SDR family member 4 (EC 1.1.1.184) (NADPH-depende	278 DHRS4	3	3	3	10.4	29.537
Q9Y394	DHRS7_HUMAN	Dehydrogenase/reductase SDR family member 7 (EC 1.1.-.-) (Retinal short-chain d	339 DHRS7	6	6	6	21.5	38.298
Q00796	DHSO_HUMAN	Sorbitol dehydrogenase (EC 1.1.1.14) (L-iditol 2-dehydrogenase)	357 SORD	2	2	2	7	38.324
O43143	DHX15_HUMAN	Pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15 (EC 3.6.4.13) (ATI	795 DHX15	10	10	10	12.5	90.932
Q7L2E3	DHX30_HUMAN	Putative ATP-dependent RNA helicase DHX30 (EC 3.6.4.13) (DEAH box protein 3)	1194 DHX30	1	1	1	1.4	133.94
Q6P158	DHX57_HUMAN	Putative ATP-dependent RNA helicase DHX57 (EC 3.6.4.13) (DEAH box protein 5)	1386 DHX57	1	1	1	0.8	155.6
Q08211	DHX9_HUMAN	ATP-dependent RNA helicase A (RHA) (EC 3.6.4.13) (DEAH box protein 9) (Leuko	1270 DHX9	20	20	20	18.8	140.96
O60610	DIAP1_HUMAN	Protein diaphanous homolog 1 (Diaphanous-related formin-1) (DRF1)	1272 DIAPH1	9	9	9	6.9	141.35
O60879	DIAP2_HUMAN	Protein diaphanous homolog 2 (Diaphanous-related formin-2) (DRF2)	1101 DIAPH2	8	8	8	9.2	125.57
Q9NSV4	DIAP3_HUMAN	Protein diaphanous homolog 3 (Diaphanous-related formin-3) (DRF3) (MDia2)	1193 DIAPH3	1	1	1	0.9	136.92
Q9UBX3	DIC_HUMAN	Mitochondrial dicarboxylate carrier (Solute carrier family 25 member 10)	287 SLC25A10	4	4	4	18.1	31.282
Q9BTC0	DIDO1_HUMAN	Death-inducer obliterator 1 (DIO-1) (hDido1) (Death-associated transcription factor	2240 DIDO1	1	1	1	0.9	243.87
Q9Y2E4	DIP2C_HUMAN	Disco-interacting protein 2 homolog C (DIP2 homolog C)	1556 DIP2C	2	2	2	1.5	170.77
Q9UBS4	DJB11_HUMAN	DnaJ homolog subfamily B member 11 (APOBEC1-binding protein 2) (ABBP-2) (Dr	358 DNAJB11	9	9	9	40.2	40.513
Q9NXW2	DJB12_HUMAN	DnaJ homolog subfamily B member 12	375 DNAJB12	1	1	1	2.4	41.818
Q9NVH1	DJC11_HUMAN	DnaJ homolog subfamily C member 11	559 DNAJC11	5	5	5	10.4	63.277
O75165	DJC13_HUMAN	DnaJ homolog subfamily C member 13 (Required for receptor-mediated endocytos	2243 DNAJC13	7	7	7	3.5	254.41
Q5F1R6	DJC21_HUMAN	DnaJ homolog subfamily C member 21 (DnaJ homolog subfamily A member 5) (Pr	531 DNAJC21	1	1	1	2.8	62.027
O60832	DKC1_HUMAN	H/ACA ribonucleoprotein complex subunit 4 (EC 5.4.99.-) (CBF5 homolog) (Dysker	514 DKC1	4	4	4	10.3	57.673
P09622	DLDH_HUMAN	Dihydrolipoyl dehydrogenase, mitochondrial (EC 1.8.1.4) (Dihydrolipoamide dehydr	509 DLD	13	13	13	32	54.177
Q12959	DLG1_HUMAN	Disks large homolog 1 (Synapse-associated protein 97) (SAP-97) (SAP97) (hDlg)	904 DLG1	3	3	3	4.4	100.45
Q9Y2H0	DLGP4_HUMAN	Disks large-associated protein 4 (DAP-4) (PSD-95/SAP90-binding protein 4) (SAP9	992 DLGAP4	2	2	2	2.4	108.01
Q9NP97	DLRB1_HUMAN	Dynein light chain roadblock-type 1 (Bithoraxoid-like protein) (BLP) (Dynein light ch	96 DYNLRB1	3	3	3	21.9	10.921
P11532	DMD_HUMAN	Dystrophin	3685 DMD	74	71	71	22.8	426.74
Q9Y485	DMXL1_HUMAN	DmX-like protein 1 (X-like 1 protein)	3027 DMXL1	1	1	1	0.4	337.83
P31689	DNJA1_HUMAN	DnaJ homolog subfamily A member 1 (DnaJ protein homolog 2) (HSDJ) (Heat shock	397 DNAJA1	5	5	5	12.6	44.868
O60884	DNJA2_HUMAN	DnaJ homolog subfamily A member 2 (Cell cycle progression restoration gene 3 pr	412 DNAJA2	10	10	10	28.2	45.745
Q96EY1	DNJA3_HUMAN	DnaJ homolog subfamily A member 3, mitochondrial (DnaJ protein Tid-1) (hTid-1) (	480 DNAJA3	3	3	3	6	52.488
P25685	DNJB1_HUMAN	DnaJ homolog subfamily B member 1 (DnaJ protein homolog 1) (Heat shock 40 kD	340 DNAJB1	8	8	7	24.7	38.044

P25686	DNJB2_HUMAN	DnaJ homolog subfamily B member 2 (Heat shock 40 kDa protein 3) (Heat shock p	324 DNAJB2	5	5	4	18.5	35.58
Q9UDY4	DNJB4_HUMAN	DnaJ homolog subfamily B member 4 (Heat shock 40 kDa protein 1 homolog) (HSF	337 DNAJB4	5	4	4	21.1	37.806
O75953	DNJB5_HUMAN	DnaJ homolog subfamily B member 5 (Heat shock protein Hsp40-2) (Heat shock pr	348 DNAJB5	1	1	1	5.2	39.133
O75190	DNJB6_HUMAN	DnaJ homolog subfamily B member 6 (HHDJ1) (Heat shock protein J2) (HSJ-2) (M	326 DNAJB6	4	3	3	12.6	36.087
Q13217	DNJC3_HUMAN	DnaJ homolog subfamily C member 3 (Endoplasmic reticulum DNA J domain-conta	504 DNAJC3	5	5	5	11.7	57.579
Q9H3Z4	DNJC5_HUMAN	DnaJ homolog subfamily C member 5 (Ceroid-lipofuscinosis neuronal protein 4) (C	198 DNAJC5	3	3	3	12.1	22.149
Q99615	DNJC7_HUMAN	DnaJ homolog subfamily C member 7 (Tetratricopeptide repeat protein 2) (TPR rep	494 DNAJC7	3	3	3	6.9	56.44
O75937	DNJC8_HUMAN	DnaJ homolog subfamily C member 8 (Splicing protein spf31)	253 DNAJC8	7	7	7	29.6	29.841
Q8WXX5	DNJC9_HUMAN	DnaJ homolog subfamily C member 9 (HDJC9) (DnaJ protein SB73)	260 DNAJC9	5	5	5	20.8	29.909
P49916	DNLI3_HUMAN	DNA ligase 3 (EC 6.5.1.1) (DNA ligase III) (Polydeoxyribonucleotide synthase [ATP	1009 LIG3	1	1	1	1.5	112.91
O00429	DNM1L_HUMAN	Dynamin-1-like protein (EC 3.6.5.5) (Dnm1p/Vps1p-like protein) (DVL) (Dynamin 1	736 DNM1L	15	15	15	23.2	81.876
Q9ULA0	DNPEP_HUMAN	Aspartyl aminopeptidase (EC 3.4.11.21)	475 DNPEP	7	7	7	15.8	52.428
O43598	DNPH1_HUMAN	2'-deoxynucleoside 5'-phosphate N-hydrolase 1 (EC 3.2.2.-) (c-Myc-responsive pro	174 DNPH1	5	5	5	34.5	19.108
Q5JSL3	DOC11_HUMAN	Dedicator of cytokinesis protein 11 (Activated Cdc42-associated guanine nucleotide	2073 DOCK11	1	1	1	0.5	237.67
Q14185	DOCK1_HUMAN	Dedicator of cytokinesis protein 1 (180 kDa protein downstream of CRK) (DOCK18)	1865 DOCK1	9	9	9	5.8	215.34
Q9H7D0	DOCK5_HUMAN	Dedicator of cytokinesis protein 5	1870 DOCK5	2	2	2	0.9	215.31
O60496	DOK2_HUMAN	Docking protein 2 (Downstream of tyrosine kinase 2) (p56(dok-2))	412 DOK2	1	1	1	2.9	45.378
Q9Y3R5	DOP2_HUMAN	Protein dopey-2	2298 DOPEY2	1	1	1	0.6	258.23
P30046	DOPD_HUMAN	D-dopachrome decarboxylase (EC 4.1.1.84) (D-dopachrome tautomerase) (Phenyl	118 DDT	4	4	4	32.2	12.712
P09172	DOPO_HUMAN	Dopamine beta-hydroxylase (EC 1.14.17.1) (Dopamine beta-monooxygenase) [Cle	617 DBH	2	2	2	4.5	69.064
Q9UKG1	DP13A_HUMAN	DCC-interacting protein 13-alpha (Dip13-alpha) (Adapter protein containing PH dor	709 APPL1	12	12	12	19.6	79.663
P20036	DPA1_HUMAN	HLA class II histocompatibility antigen, DP alpha 1 chain (DP(W3)) (DP(W4)) (HLA-	260 HLA-DPA1	4	4	4	20.4	29.38
O60762	DPM1_HUMAN	Dolichol-phosphate mannosyltransferase subunit 1 (EC 2.4.1.83) (Dolichol-phosph	260 DPM1	2	2	2	7.3	29.634
Q9P2X0	DPM3_HUMAN	Dolichol-phosphate mannosyltransferase subunit 3 (Dolichol-phosphate mannose s	92 DPM3	2	2	2	23.9	10.094
Q9UHL4	DPP2_HUMAN	Dipeptidyl peptidase 2 (EC 3.4.14.2) (Dipeptidyl aminopeptidase II) (Dipeptidyl pept	492 DPP2	1	1	1	2.8	54.341
Q9NY33	DPP3_HUMAN	Dipeptidyl peptidase 3 (EC 3.4.14.4) (Dipeptidyl aminopeptidase III) (Dipeptidyl aryl	737 DPP3	11	11	11	18.6	82.588
P27487	DPP4_HUMAN	Dipeptidyl peptidase 4 (EC 3.4.14.5) (ADABP) (Adenosine deaminase complexing i	766 DPP4	8	8	8	10.1	88.278
Q86T12	DPP9_HUMAN	Dipeptidyl peptidase 9 (DP9) (EC 3.4.14.5) (Dipeptidyl peptidase IV-related protein	863 DPP9	2	2	2	2.1	98.262
Q9C005	DPY30_HUMAN	Protein dpy-30 homolog (Dpy-30-like protein) (Dpy-30L)	99 DPY30	2	2	2	27.3	11.25
Q12882	DPYD_HUMAN	Dihydropyrimidine dehydrogenase [NADP(+)] (DHPDHase) (DPD) (EC 1.3.1.2) (Di	1025 DPYD	8	8	8	10.6	111.4
Q14194	DPYL1_HUMAN	Dihydropyrimidinase-related protein 1 (DRP-1) (Collapsin response mediator protei	572 CRMP1	4	1	1	8.2	62.183
Q16555	DPYL2_HUMAN	Dihydropyrimidinase-related protein 2 (DRP-2) (Collapsin response mediator protei	572 DPYSL2	26	26	21	63.5	62.293
Q14195	DPYL3_HUMAN	Dihydropyrimidinase-related protein 3 (DRP-3) (Collapsin response mediator protei	570 DPYSL3	24	20	19	57.9	61.963
O14531	DPYL4_HUMAN	Dihydropyrimidinase-related protein 4 (DRP-4) (Collapsin response mediator protei	572 DPYSL4	2	1	1	4	61.877
Q9BPU6	DPYL5_HUMAN	Dihydropyrimidinase-related protein 5 (DRP-5) (CRMP3-associated molecule) (CR	564 DPYSL5	2	2	2	3.4	61.421
Q14117	DPYS_HUMAN	Dihydropyrimidinase (DHP) (DHPase) (EC 3.5.2.2) (Dihydropyrimidine amidohydrol	519 DPYS	2	2	2	3.3	56.629
P01903	DRA_HUMAN	HLA class II histocompatibility antigen, DR alpha chain (MHC class II antigen DRA)	254 HLA-DRA	5	5	4	25.6	28.607
Q6UX65	DRAM2_HUMAN	DNA damage-regulated autophagy modulator protein 2 (Transmembrane protein 7;	266 DRAM2	1	1	1	8.3	29.766
Q16643	DREB_HUMAN	Drebrin (Developmentally-regulated brain protein)	649 DBN1	10	10	10	21	71.428
Q9Y295	DRG1_HUMAN	Developmentally-regulated GTP-binding protein 1 (DRG-1) (Neural precursor cell e	367 DRG1	3	3	3	12.3	40.542
P55039	DRG2_HUMAN	Developmentally-regulated GTP-binding protein 2 (DRG-2)	364 DRG2	2	2	2	10.2	40.746
Q6IAN0	DRS7B_HUMAN	Dehydrogenase/reductase SDR family member 7B (EC 1.1.-.-) (Short-chain dehydr	325 DHRS7B	2	2	2	8.6	35.119
Q08554	DSC1_HUMAN	Desmocollin-1 (Cadherin family member 1) (Desmosomal glycoprotein 2/3) (DG2/D	894 DSC1	3	3	3	3.9	99.986
Q14574	DSC3_HUMAN	Desmocollin-3 (Cadherin family member 3) (Desmocollin-4) (HT-CP)	896 DSC3	1	1	1	1.7	99.968
O14972	DSCR3_HUMAN	Down syndrome critical region protein 3 (Down syndrome critical region protein A)	297 DSCR3	1	1	1	4	33.01
Q9UL01	DSE_HUMAN	Dermatan-sulfate epimerase (DS epimerase) (EC 5.1.3.19) (Chondroitin-glucurona	958 DSE	2	2	2	3.9	109.77
Q8IZU8	DSEL_HUMAN	Dermatan-sulfate epimerase-like protein (EC 5.1.-.-)	1212 DSEL	1	1	1	0.9	139.24
Q02413	DSG1_HUMAN	Desmoglein-1 (Cadherin family member 4) (Desmosomal glycoprotein 1) (DG1) (D	1049 DSG1	4	4	4	5.9	113.75
Q14126	DSG2_HUMAN	Desmoglein-2 (Cadherin family member 5) (HDGC)	1118 DSG2	2	2	2	2.1	122.29
P55265	DSRAD_HUMAN	Double-stranded RNA-specific adenosine deaminase (DRADA) (EC 3.5.4.37) (136	1226 ADAR	7	7	7	5.7	136.06
Q9Y4J8	DTNA_HUMAN	Dystrobrevin alpha (DTN-A) (Alpha-dystrobrevin) (Dystrophin-related protein 3)	743 DTNA	4	4	4	5.7	83.9
Q8TDB6	DTX3L_HUMAN	E3 ubiquitin-protein ligase DTX3L (EC 2.3.2.27) (B-lymphoma- and BAL-associatec	740 DTX3L	7	7	7	12.7	83.553

Q9BVJ7	DUS23_HUMAN	Dual specificity protein phosphatase 23 (EC 3.1.3.16) (EC 3.1.3.48) (Low molecular weight)	150	DUSP23	2	2	2	16	16.588
P51452	DUS3_HUMAN	Dual specificity protein phosphatase 3 (EC 3.1.3.16) (EC 3.1.3.48) (Dual specificity phosphatase)	185	DUSP3	3	3	3	19.5	20.478
P33316	DUT_HUMAN	Deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial (dUTPase) (EC 3.1.1.1)	252	DUT	5	5	5	27	26.563
P54792	DVL1P1_HUMAN	Putative segment polarity protein dishevelled homolog DVL1P1 (DSH homolog 1-like)	670	DVL1P1	1	1	1	1.3	73.253
Q13838	DX39B_HUMAN	Spliceosome RNA helicase DDX39B (EC 3.6.4.13) (56 kDa U2AF65-associated protein)	428	DDX39B	13	13	5	29.2	48.991
Q8TD57	DYH3_HUMAN	Dynein heavy chain 3, axonemal (Axonemal beta dynein heavy chain 3) (HsADHC3)	4116	DNAH3	1	1	1	0.2	470.77
Q14204	DYHC1_HUMAN	Cytoplasmic dynein 1 heavy chain 1 (Cytoplasmic dynein heavy chain 1) (Dynein heavy chain 1)	4646	DYNC1H1	116	116	116	27.2	532.4
P63167	DYL1_HUMAN	Dynein light chain 1, cytoplasmic (8 kDa dynein light chain) (DLC8) (Dynein light chain 1)	89	DYNLL1	3	3	2	44.9	10.366
Q96FJ2	DYL2_HUMAN	Dynein light chain 2, cytoplasmic (8 kDa dynein light chain b) (DLC8b) (Dynein light chain 2)	89	DYNLL2	3	2	2	44.9	10.35
P51808	DYLT3_HUMAN	Dynein light chain Tctex-type 3 (Protein 91/23) (T-complex-associated testis-expressed protein)	116	DYNLT3	1	1	1	14.7	13.062
P50570	DYN2_HUMAN	Dynamin-2 (EC 3.6.5.5)	870	DNM2	12	12	6	17.4	98.063
Q9UQ16	DYN3_HUMAN	Dynamin-3 (EC 3.6.5.5) (Dynamin, testicular) (T-dynamin)	869	DNM3	7	3	3	7.8	97.745
O75923	DYSF_HUMAN	Dysferlin (Dystrophy-associated fer-1-like protein) (Fer-1-like protein 1)	2080	DYSF	23	20	20	12.7	237.29
Q03001	DYST_HUMAN	Dystonin (230 kDa bullous pemphigoid antigen) (230/240 kDa bullous pemphigoid antigen)	7570	DST	5	4	4	0.6	860.65
P19525	E2AK2_HUMAN	Interferon-induced, double-stranded RNA-activated protein kinase (EC 2.7.11.1) (EIF2AK2)	551	EIF2AK2	6	6	6	15.2	62.094
Q9H4G0	E41L1_HUMAN	Band 4.1-like protein 1 (Neuronal protein 4.1) (4.1N)	881	EPB41L1	11	9	9	16.3	98.502
O43491	E41L2_HUMAN	Band 4.1-like protein 2 (Generally expressed protein 4.1) (4.1G)	1005	EPB41L2	45	45	39	50.1	112.59
Q9Y2J2	E41L3_HUMAN	Band 4.1-like protein 3 (4.1B) (Differentially expressed in adenocarcinoma of the lung)	1087	EPB41L3	21	16	15	25.2	120.68
P43003	EEA1_HUMAN	Excitatory amino acid transporter 1 (Sodium-dependent glutamate/aspartate transporter)	542	SLC1A3	1	1	1	2.2	59.572
Q13011	ECH1_HUMAN	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial (EC 5.3.3.-)	328	ECH1	10	10	10	42.1	85.816
P40939	ECHA_HUMAN	Trifunctional enzyme subunit alpha, mitochondrial (78 kDa gastrin-binding protein) (ECHA)	763	HADHA	37	37	37	55.6	82.999
P55084	ECHB_HUMAN	Trifunctional enzyme subunit beta, mitochondrial (TP-beta) [Includes: 3-ketoacyl-CoA synthase]	474	HADHB	21	21	21	51.3	51.294
Q9NTX5	ECHD1_HUMAN	Ethylmalonyl-CoA decarboxylase (EC 4.1.1.94) (Enoyl-CoA hydratase domain-containing protein 1)	307	ECHDC1	7	7	7	28.3	33.698
Q86YB7	ECHD2_HUMAN	Enoyl-CoA hydratase domain-containing protein 2, mitochondrial	292	ECHDC2	2	2	2	8.6	31.126
Q96DC8	ECHD3_HUMAN	Enoyl-CoA hydratase domain-containing protein 3, mitochondrial	303	ECHDC3	10	10	10	36.6	32.633
P30084	ECHM_HUMAN	Enoyl-CoA hydratase, mitochondrial (EC 4.2.1.17) (Enoyl-CoA hydratase 1) (Short-chain enoyl-CoA hydratase)	290	ECHS1	15	15	15	62.8	31.387
Q08426	ECHP_HUMAN	Peroxisomal bifunctional enzyme (PBE) (PBE) [Includes: Enoyl-CoA hydratase/3-oxoacyl-CoA thioesterase]	723	EHHADH	4	4	4	5.9	79.494
P42126	ECI1_HUMAN	Enoyl-CoA delta isomerase 1, mitochondrial (EC 5.3.3.8) (3,2-trans-enoyl-CoA isomerase)	302	ECI1	7	7	7	28.1	32.816
O75521	ECI2_HUMAN	Enoyl-CoA delta isomerase 2, mitochondrial (EC 5.3.3.8) (DRS-1) (Delta(3),delta(2)-enoyl-CoA isomerase)	394	ECI2	4	4	4	11.4	43.585
Q16610	ECM1_HUMAN	Extracellular matrix protein 1 (Secretory component p85)	540	ECM1	7	7	7	14.8	60.673
Q5VYK3	ECM29_HUMAN	Proteasome-associated protein ECM29 homolog (Ecm29)	1845	ECM29	6	6	5	4.6	204.29
P12724	ECP_HUMAN	Eosinophil cationic protein (ECP) (EC 3.1.27.-) (Ribonuclease 3) (RNase 3)	160	RNASE3	2	2	2	11.9	18.385
O60869	EDF1_HUMAN	Endothelial differentiation-related factor 1 (EDF-1) (Multiprotein-bridging factor 1) (NEDF)	148	EDF1	4	4	4	28.4	16.368
Q15075	EEA1_HUMAN	Early endosome antigen 1 (Endosome-associated protein p162) (Zinc finger FYVE domain-containing protein 1)	1411	EEA1	53	53	53	39.5	162.46
Q5VTE0	EF1A3_HUMAN	Putative elongation factor 1-alpha-like 3 (EF-1-alpha-like 3) (Eukaryotic elongation factor 1)	462	EEF1A1P5	19	19	19	51.1	50.184
P24534	EF1B_HUMAN	Elongation factor 1-beta (EF-1-beta)	225	EEF1B2	5	5	5	27.6	24.763
P29692	EF1D_HUMAN	Elongation factor 1-delta (EF-1-delta) (Antigen NY-CO-4)	281	EEF1D	8	8	8	25.3	31.121
P26641	EF1G_HUMAN	Elongation factor 1-gamma (EF-1-gamma) (eEF-1B gamma)	437	EEF1G	18	18	18	34.1	50.118
P13639	EF2_HUMAN	Elongation factor 2 (EF-2)	858	EEF2	33	33	32	44.1	95.337
O00418	EF2K_HUMAN	Eukaryotic elongation factor 2 kinase (eEF-2 kinase) (eEF-2K) (EC 2.7.11.20) (Calcium-dependent protein kinase)	725	EEF2K	2	2	2	3.4	82.143
Q96RP9	EFGM_HUMAN	Elongation factor G, mitochondrial (EF-Gmt) (Elongation factor G 1, mitochondrial)	751	GFM1	5	5	5	7.5	83.471
Q9BUP0	EFHD1_HUMAN	EF-hand domain-containing protein D1 (EF-hand domain-containing protein 1) (Swapped domain-containing protein 1)	239	EFHD1	10	10	9	54.8	26.927
Q96C19	EFHD2_HUMAN	EF-hand domain-containing protein D2 (Swiprosin-1)	240	EFHD2	7	6	6	31.7	26.697
P98172	EFNB1_HUMAN	Ephrin-B1 (EFL-3) (ELK ligand) (ELK-L) (EPH-related receptor tyrosine kinase ligand)	346	EFNB1	2	2	2	8.4	38.006
Q14156	EFR3A_HUMAN	Protein EFR3 homolog A (Protein EFR3-like)	821	EFR3A	1	1	1	3	92.923
P43897	EFTS_HUMAN	Elongation factor Ts, mitochondrial (EF-Ts) (EF-TsMt)	325	TSMF	4	4	4	20.6	35.39
P49411	EFTU_HUMAN	Elongation factor Tu, mitochondrial (EF-Tu) (P43)	452	TUFM	25	25	25	63.9	49.541
Q9UHF1	EGFL7_HUMAN	Epidermal growth factor-like protein 7 (EGF-like protein 7) (Multiple epidermal growth factor-like protein 7)	273	EGFL7	5	5	5	19.8	29.617
P00533	EGFR_HUMAN	Epidermal growth factor receptor (EC 2.7.10.1) (Proto-oncogene c-ErbB-1) (Receptor tyrosine kinase)	1210	EGFR	2	2	2	2.6	134.28
P17813	EGLN_HUMAN	Endoglin (CD antigen CD105)	658	ENG	4	4	4	5.9	70.577
Q8N3D4	EH1L1_HUMAN	EH domain-binding protein 1-like protein 1	1523	EHBP1L1	7	7	7	5	161.85
Q9H4M9	EHD1_HUMAN	EH domain-containing protein 1 (PAST homolog 1) (hPAST1) (Testilin)	534	EHD1	19	18	13	37.3	60.626

Q9NZN4	EHD2_HUMAN	EH domain-containing protein 2 (PAST homolog 2)	543	EHD2	35	35	31	76.4	61.161
Q9NZN3	EHD3_HUMAN	EH domain-containing protein 3 (PAST homolog 3)	535	EHD3	14	7	7	29.2	60.886
Q9H223	EHD4_HUMAN	EH domain-containing protein 4 (Hepatocellular carcinoma-associated protein 10/1)	541	EHD4	17	14	14	37.9	61.174
Q14232	EI2BA_HUMAN	Translation initiation factor eIF-2B subunit alpha (eIF-2B GDP-GTP exchange facto	305	EIF2B1	2	2	2	6.2	33.712
P49770	EI2BB_HUMAN	Translation initiation factor eIF-2B subunit beta (S20I15) (S20I115) (eIF-2B GDP-G	351	EIF2B2	1	1	1	5.1	38.989
Q9U110	EI2BD_HUMAN	Translation initiation factor eIF-2B subunit delta (eIF-2B GDP-GTP exchange factor	523	EIF2B4	4	4	4	9.2	57.557
Q13144	EI2BE_HUMAN	Translation initiation factor eIF-2B subunit epsilon (eIF-2B GDP-GTP exchange fac	721	EIF2B5	2	2	2	3.1	80.379
Q9NR50	EI2BG_HUMAN	Translation initiation factor eIF-2B subunit gamma (eIF-2B GDP-GTP exchange fac	452	EIF2B3	2	2	2	8.6	50.24
O60739	EIF1B_HUMAN	Eukaryotic translation initiation factor 1b (eIF1b) (Protein translation factor SU11 ho	113	EIF1B	6	6	1	64.6	12.823
Q9BY44	EIF2A_HUMAN	Eukaryotic translation initiation factor 2A (eIF-2A) (65 kDa eukaryotic translation in	585	EIF2A	2	2	2	4.1	64.989
Q14152	EIF3A_HUMAN	Eukaryotic translation initiation factor 3 subunit A (eIF3a) (Eukaryotic translation in	1382	EIF3A	28	28	28	18.2	166.57
P55884	EIF3B_HUMAN	Eukaryotic translation initiation factor 3 subunit B (eIF3b) (Eukaryotic translation in	814	EIF3B	10	10	9	15.8	92.48
Q99613	EIF3C_HUMAN	Eukaryotic translation initiation factor 3 subunit C (eIF3c) (Eukaryotic translation in	913	EIF3C	17	17	17	18.6	105.34
O15371	EIF3D_HUMAN	Eukaryotic translation initiation factor 3 subunit D (eIF3d) (Eukaryotic translation in	548	EIF3D	6	6	6	15.1	63.972
P60228	EIF3E_HUMAN	Eukaryotic translation initiation factor 3 subunit E (eIF3e) (Eukaryotic translation in	445	EIF3E	6	6	6	16.2	52.22
O00303	EIF3F_HUMAN	Eukaryotic translation initiation factor 3 subunit F (eIF3f) (Deubiquitinating enzyme	357	EIF3F	4	4	4	11.5	37.563
O75821	EIF3G_HUMAN	Eukaryotic translation initiation factor 3 subunit G (eIF3g) (Eukaryotic translation in	320	EIF3G	10	10	10	30.6	35.611
O15372	EIF3H_HUMAN	Eukaryotic translation initiation factor 3 subunit H (eIF3h) (Eukaryotic translation in	352	EIF3H	6	6	6	17	39.93
Q13347	EIF3I_HUMAN	Eukaryotic translation initiation factor 3 subunit I (eIF3i) (Eukaryotic translation in	325	EIF3I	6	6	6	27.4	36.501
O75822	EIF3J_HUMAN	Eukaryotic translation initiation factor 3 subunit J (eIF3j) (Eukaryotic translation in	258	EIF3J	6	6	6	20.9	29.062
Q9UBQ5	EIF3K_HUMAN	Eukaryotic translation initiation factor 3 subunit K (eIF3k) (Eukaryotic translation in	218	EIF3K	3	3	3	16.1	25.059
Q9Y262	EIF3L_HUMAN	Eukaryotic translation initiation factor 3 subunit L (eIF3l) (Eukaryotic translation in	564	EIF3L	11	11	11	23	66.726
Q7L2H7	EIF3M_HUMAN	Eukaryotic translation initiation factor 3 subunit M (eIF3m) (Fetal lung protein B5) (F	374	EIF3M	6	6	6	20.1	42.502
Q15717	ELAV1_HUMAN	ELAV-like protein 1 (Hu-antigen R) (HuR)	326	ELAVL1	5	5	5	19.6	36.091
Q8IZ81	ELMD2_HUMAN	ELMO domain-containing protein 2	293	ELMOD2	1	1	1	3.1	34.96
Q92556	ELMO1_HUMAN	Engulfment and cell motility protein 1 (Protein ced-12 homolog)	727	ELMO1	5	5	3	6.5	83.829
Q96JJ3	ELMO2_HUMAN	Engulfment and cell motility protein 2 (Protein ced-12 homolog A) (hCed-12A)	720	ELMO2	3	1	1	4.9	82.614
P15502	ELN_HUMAN	Elastin (Tropoelastin)	786	ELN	4	4	4	7.1	68.468
P08246	ELNE_HUMAN	Neutrophil elastase (EC 3.4.21.37) (Bone marrow serine protease) (Elastase-2) (Hu	267	ELANE	1	1	1	2.6	28.518
Q15370	ELOB_HUMAN	Transcription elongation factor B polypeptide 2 (Elongin 18 kDa subunit) (Elongin-B	118	TCEB2	7	7	7	57.6	13.133
Q15369	ELOC_HUMAN	Transcription elongation factor B polypeptide 1 (Elongin 15 kDa subunit) (Elongin-C	112	TCEB1	2	2	2	25.9	12.473
Q8WYP5	ELYS_HUMAN	Protein ELYS (Embryonic large molecule derived from yolk sac) (Protein MEL-28) (	2266	AHCTF1	2	2	2	0.9	252.5
Q00013	EM55_HUMAN	55 kDa erythrocyte membrane protein (p55) (Membrane protein, palmitoylated 1)	466	MPP1	5	5	5	12.2	52.296
O00423	EMAL1_HUMAN	Echinoderm microtubule-associated protein-like 1 (EMAP-1) (HuEMAP-1)	815	EML1	10	10	10	13.9	89.86
O95834	EMAL2_HUMAN	Echinoderm microtubule-associated protein-like 2 (EMAP-2) (HuEMAP-2)	649	EML2	6	6	6	10.2	70.678
Q32P44	EMAL3_HUMAN	Echinoderm microtubule-associated protein-like 3 (EMAP-3)	896	EML3	6	6	6	7.1	95.196
Q9HC35	EMAL4_HUMAN	Echinoderm microtubule-associated protein-like 4 (EMAP-4) (Restrictedly overexpr	981	EML4	10	10	10	10.8	108.91
Q6PCB8	EMB_HUMAN	Embigin	327	EMB	2	2	2	9.2	36.881
Q8N766	EMC1_HUMAN	ER membrane protein complex subunit 1	993	EMC1	3	3	3	3.7	111.76
Q9NPA0	EMC7_HUMAN	ER membrane protein complex subunit 7	242	EMC7	1	1	1	5.4	26.47
O43402	EMC8_HUMAN	ER membrane protein complex subunit 8 (Neighbor of COX4) (Protein FAM158B)	210	EMC8	2	2	2	5.7	23.773
P50402	EMD_HUMAN	Emerin	254	EMD	9	9	9	50	28.994
Q9Y6C2	EMIL1_HUMAN	EMILIN-1 (Elastin microfibril interface-located protein 1) (Elastin microfibril interfa	1016	EMILIN1	30	30	30	33	106.67
Q9BXX0	EMIL2_HUMAN	EMILIN-2 (Elastin microfibril interface-located protein 2) (Elastin microfibril interfa	1053	EMILIN2	10	10	10	10.7	115.69
Q9H419	EMRE_HUMAN	Essential MCU regulator, mitochondrial (Single-pass membrane protein with aspart	107	SMDT1	1	1	1	6.5	11.441
Q8N8S7	ENAH_HUMAN	Protein enabled homolog	591	ENAH	5	5	5	8.5	66.509
Q9NRM1	ENAM_HUMAN	Enamelin	1142	ENAM	1	1	1	1	128.78
O94919	ENDD1_HUMAN	Endonuclease domain-containing 1 protein (EC 3.1.30.-)	500	ENDOD1	8	8	8	22.6	55.016
P06733	ENOA_HUMAN	Alpha-enolase (EC 4.2.1.11) (2-phospho-D-glycerate hydro-lyase) (C-myc promote	434	ENO1	25	25	23	65.2	47.168
P09104	ENOG_HUMAN	Gamma-enolase (EC 4.2.1.11) (2-phospho-D-glycerate hydro-lyase) (Enolase 2) (N	434	ENO2	9	7	7	31.6	47.268
Q9UHY7	ENOPH_HUMAN	Enolase-phosphatase E1 (EC 3.1.3.77) (2,3-diketo-5-methylthio-1-phosphopentane	261	ENOPH1	3	3	3	16.9	28.932
P14625	ENPL_HUMAN	Endoplasmic (94 kDa glucose-regulated protein) (GRP-94) (Heat shock protein 90	803	HSP90B1	36	34	34	44.5	92.468

Q9Y6X5	ENPP4_HUMAN	Bis(5'-adenosyl)-triphosphatase ENPP4 (EC 3.6.1.29) (AP3A hydrolase) (AP3Aase)	453	ENPP4	1	1	1	2	51.641
O43768	ENSA_HUMAN	Alpha-endosulfine (ARPP-19e)	121	ENSA	2	1	1	23.1	13.389
P49961	ENTP1_HUMAN	Ectonucleoside triphosphate diphosphohydrolase 1 (NTPDase 1) (EC 3.6.1.5) (Ect	510	ENTPD1	12	12	12	21.2	57.964
Q9Y5L3	ENTP2_HUMAN	Ectonucleoside triphosphate diphosphohydrolase 2 (NTPDase 2) (EC 3.6.1.-) (CD3	495	ENTPD2	1	1	1	2.8	53.665
Q9NPA8	ENY2_HUMAN	Transcription and mRNA export factor ENY2 (Enhancer of yellow 2 transcription fac	101	ENY2	2	2	2	14.9	11.528
Q9UBC2	EP15R_HUMAN	Epidermal growth factor receptor substrate 15-like 1 (Eps15-related protein) (Eps15	864	EPS15L1	9	9	9	12.8	94.254
P16452	EPB42_HUMAN	Erythrocyte membrane protein band 4.2 (Erythrocyte protein 4.2) (P4.2)	691	EPB42	9	9	9	13.3	77.008
Q9UNN8	EPCR_HUMAN	Endothelial protein C receptor (Activated protein C receptor) (APC receptor) (Endot	238	PROCR	2	2	2	8.8	26.671
Q9Y6I3	EPN1_HUMAN	Epsin-1 (EH domain-binding mitotic phosphoprotein) (EPS-15-interacting protein 1)	576	EPN1	6	6	6	16.8	60.293
O95208	EPN2_HUMAN	Epsin-2 (EPS-15-interacting protein 2)	641	EPN2	1	1	1	1.9	68.481
Q14677	EPN4_HUMAN	Clathrin interactor 1 (Clathrin-interacting protein localized in the trans-Golgi region)	625	CLINT1	7	7	7	13	68.259
P42566	EPS15_HUMAN	Epidermal growth factor receptor substrate 15 (Protein Eps15) (Protein AF-1p)	896	EPS15	8	8	8	11.9	98.655
Q12929	EPS8_HUMAN	Epidermal growth factor receptor kinase substrate 8	822	EPS8	4	4	4	5.2	91.88
Q9NZ08	ERAP1_HUMAN	Endoplasmic reticulum aminopeptidase 1 (EC 3.4.11.-) (ARTS-1) (Adipocyte-derive	941	ERAP1	7	7	7	8.1	107.23
Q96RT1	ERBIN_HUMAN	Erbin (Densin-180-like protein) (Erbp2-interacting protein) (Protein LAP2)	1412	ERBIN	1	1	1	0.6	158.3
P24390	ERD21_HUMAN	ER lumen protein-retaining receptor 1 (KDEL endoplasmic reticulum protein retenti	212	KDELR1	1	1	1	9	24.542
P62495	ERF1_HUMAN	Eukaryotic peptide chain release factor subunit 1 (Eukaryotic release factor 1) (eRF	437	ETF1	7	7	7	22.2	49.03
P15170	ERF3A_HUMAN	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A (Eukaryotic pe	499	GSPT1	7	7	7	13	55.755
O76062	ERG24_HUMAN	Delta(14)-sterol reductase (Delta-14-SR) (EC 1.3.1.70) (Another new gene 1 protei	418	TM7SF2	2	2	2	4.8	46.405
P48449	ERG7_HUMAN	Lanosterol synthase (EC 5.4.99.7) (2,3-epoxysqualene-lanosterol cyclase) (Oxidos	732	LSS	8	8	8	13.4	83.308
Q969X5	ERGI1_HUMAN	Endoplasmic reticulum-Golgi intermediate compartment protein 1 (ER-Golgi interm	290	ERGIC1	4	4	4	14.1	32.592
P84090	ERH_HUMAN	Enhancer of rudimentary homolog	104	ERH	5	5	5	51	12.259
O43414	ERI3_HUMAN	ERI1 exoribonuclease 3 (EC 3.1.-.-) (Prion interactor 1) (Prion protein-interacting pr	337	ERI3	1	1	1	2.7	37.238
Q96DZ1	ERLEC_HUMAN	Endoplasmic reticulum lectin 1 (ER lectin) (Erlectin) (XTP3-transactivated gene B p	483	ERLEC1	2	2	2	4.3	54.858
O75477	ERLN1_HUMAN	Erlin-1 (Endoplasmic reticulum lipid raft-associated protein 1) (Protein KE04) (Stom	346	ERLIN1	6	4	4	18.8	38.925
O94905	ERLN2_HUMAN	Erlin-2 (Endoplasmic reticulum lipid raft-associated protein 2) (Stomatin-prohibitin-fl	339	ERLIN2	15	15	13	40.7	37.839
Q96HE7	ERO1A_HUMAN	ERO1-like protein alpha (ERO1-L) (ERO1-L-alpha) (EC 1.8.4.-) (Endoplasmic oxid	468	ERO1A	2	2	2	4.1	54.392
P30040	ERP29_HUMAN	Endoplasmic reticulum resident protein 29 (ERp29) (Endoplasmic reticulum resider	261	ERP29	7	7	7	33.7	28.993
Q9BS26	ERP44_HUMAN	Endoplasmic reticulum resident protein 44 (ER protein 44) (ERP44) (Thioredoxin dc	406	ERP44	8	8	8	23.2	46.971
P30042	ES1_HUMAN	ES1 protein homolog, mitochondrial (Protein GT335) (Protein KNP-I)	268	C21orf33	11	11	11	46.6	28.17
Q9H6S3	ES8L2_HUMAN	Epidermal growth factor receptor kinase substrate 8-like protein 2 (EPS8-like protei	715	EPS8L2	2	2	2	3.5	80.62
Q96AP7	ESAM_HUMAN	Endothelial cell-selective adhesion molecule	390	ESAM	2	2	2	8.5	41.176
P23141	EST1_HUMAN	Liver carboxylesterase 1 (Acyl-coenzyme A:cholesterol acyltransferase) (ACAT) (Bi	567	CES1	9	9	9	19	62.52
P10768	ESTD_HUMAN	S-formylglutathione hydrolase (FGH) (EC 3.1.2.12) (Esterase D) (Methylumbellifery	282	ESD	8	8	8	39	31.462
Q9BSJ8	ESYT1_HUMAN	Extended synaptotagmin-1 (E-Syt1) (Membrane-bound C2 domain-containing prote	1104	ESYT1	24	24	24	24.6	122.85
A0FGR8	ESYT2_HUMAN	Extended synaptotagmin-2 (E-Syt2) (Chr2Syt)	921	ESYT2	13	13	13	18.1	102.36
P13804	ETFA_HUMAN	Electron transfer flavoprotein subunit alpha, mitochondrial (Alpha-ETF)	333	ETFA	15	15	15	54.7	35.079
P38117	ETFB_HUMAN	Electron transfer flavoprotein subunit beta (Beta-ETF)	255	ETFB	11	11	11	47.5	27.843
Q16134	ETFD_HUMAN	Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial (ETF-QO) (	617	ETFDH	14	14	14	29.7	68.495
O95571	ETHE1_HUMAN	Persulfide dioxygenase ETHE1, mitochondrial (EC 1.13.11.18) (Ethylmalonic encef	254	ETHE1	2	2	2	10.6	27.873
Q9UI08	EVL_HUMAN	Ena/VASP-like protein (Ena/vasodilator-stimulated phosphoprotein-like)	416	EVL	2	2	2	5.5	44.619
Q92817	EVPL_HUMAN	Envoplakin (210 kDa cornified envelope precursor protein) (210 kDa paraneoplastic	2033	EVPL	1	1	1	0.4	231.6
Q01844	EWS_HUMAN	RNA-binding protein EWS (EWS oncogene) (Ewing sarcoma breakpoint region 1 p	656	EWSR1	5	5	5	8.4	68.477
Q9Y2D4	EXC6B_HUMAN	Exocyst complex component 6B (Exocyst complex component Sec15B) (SEC15-lik	811	EXOC6B	1	1	1	2.5	94.2
Q9NVH0	EXD2_HUMAN	Exonuclease 3'-5' domain-containing protein 2 (EC 3.1.11.1) (Exonuclease 3'-5' do	621	EXD2	1	1	1	2.3	70.352
Q9NV70	EXOC1_HUMAN	Exocyst complex component 1 (Exocyst complex component Sec3)	894	EXOC1	6	6	6	6.4	101.98
Q96KP1	EXOC2_HUMAN	Exocyst complex component 2 (Exocyst complex component Sec5)	924	EXOC2	3	3	3	4.3	104.07
O60645	EXOC3_HUMAN	Exocyst complex component 3 (Exocyst complex component Sec6)	756	EXOC3	7	7	7	10.3	86.844
Q96A65	EXOC4_HUMAN	Exocyst complex component 4 (Exocyst complex component Sec8)	974	EXOC4	8	8	8	8.6	110.5
O00471	EXOC5_HUMAN	Exocyst complex component 5 (Exocyst complex component Sec10) (hSec10)	708	EXOC5	6	5	5	8.8	81.852
Q9UPT5	EXOC7_HUMAN	Exocyst complex component 7 (Exocyst complex component Exo70)	735	EXOC7	4	4	4	6.8	83.381
Q8IYI6	EXOC8_HUMAN	Exocyst complex component 8 (Exocyst complex 84 kDa subunit)	725	EXOC8	4	4	4	9.2	81.798

Q13868	EXOS2_HUMAN	Exosome complex component RRP4 (Exosome component 2) (Ribosomal RNA-pr	293	EXOSC2	2	2	2	6.5	32.789
Q9NPD3	EXOS4_HUMAN	Exosome complex component RRP41 (Exosome component 4) (Ribosomal RNA-p	245	EXOSC4	1	1	1	3.3	26.383
Q06265	EXOS9_HUMAN	Exosome complex component RRP45 (Autoantigen PM/Sc1) (Exosome compone	439	EXOSC9	2	2	2	3.9	48.948
P15311	EZRI_HUMAN	Ezrin (Cytovillin) (Villin-2) (p81)	586	EZR	33	26	25	51.5	69.412
Q9H098	F107B_HUMAN	Protein FAM107B	131	FAM107B	1	1	1	6.1	15.558
P50502	F10A1_HUMAN	Hsc70-interacting protein (Hip) (Aging-associated protein 2) (Progesterone recepto	369	ST13	10	10	10	27.9	41.331
Q9NRY5	F1142_HUMAN	Protein FAM114A2	505	FAM114A2	5	5	5	12.1	55.468
Q9NZB2	F120A_HUMAN	Constitutive coactivator of PPAR-gamma-like protein 1 (Oxidative stress-associat	1118	FAM120A	14	14	14	15.4	121.89
Q86VR2	F134C_HUMAN	Protein FAM134C	466	FAM134C	1	1	1	3.2	51.396
Q96C01	F136A_HUMAN	Protein FAM136A	138	FAM136A	4	4	4	23.9	15.641
P00488	F13A_HUMAN	Coagulation factor XIII A chain (Coagulation factor XIIIa) (EC 2.3.2.13) (Protein-glu	732	F13A1	24	24	24	35.8	83.266
P05160	F13B_HUMAN	Coagulation factor XIII B chain (Fibrin-stabilizing factor B subunit) (Protein-glutamin	661	F13B	9	9	9	22.2	75.51
P0C7A2	F153B_HUMAN	Protein FAM153B	387	FAM153B	1	1	1	2.6	43.59
Q96A26	F162A_HUMAN	Protein FAM162A (E2-induced gene 5 protein) (Growth and transformation-depend	154	FAM162A	2	2	2	18.2	17.342
Q5W0V3	F16B1_HUMAN	Protein FAM160B1	765	FAM160B1	1	1	1	1.6	86.557
P09467	F16P1_HUMAN	Fructose-1,6-bisphosphatase 1 (FBPase 1) (EC 3.1.3.11) (D-fructose-1,6-bisphosp	338	FBP1	6	6	6	20.4	36.842
Q9BRX8	F213A_HUMAN	Redox-regulatory protein FAM213A (Peroxiredoxin-like 2 activated in M-CSF stimu	229	FAM213A	9	9	9	35.8	25.764
P00742	FA10_HUMAN	Coagulation factor X (EC 3.4.21.6) (Stuart factor) (Stuart-Prower factor) [Cleared in	488	F10	4	4	4	9	54.731
P00748	FA12_HUMAN	Coagulation factor XII (EC 3.4.21.38) (Hageman factor) (HAF) [Cleared into: Coagu	615	F12	11	11	11	20.3	67.791
Q641Q2	FA21A_HUMAN	WASH complex subunit FAM21A	1341	FAM21A	13	13	13	13	147.18
Q9H0Q0	FA49A_HUMAN	Protein FAM49A	323	FAM49A	5	4	4	16.7	37.312
Q9NUQ9	FA49B_HUMAN	Protein FAM49B (L1)	324	FAM49B	9	9	8	36.7	36.748
Q14320	FA50A_HUMAN	Protein FAM50A (Protein HXC-26) (Protein XAP-5)	339	FAM50A	1	1	1	2.4	40.241
P00740	FA9_HUMAN	Coagulation factor IX (EC 3.4.21.22) (Christmas factor) (Plasma thromboplastin cor	461	F9	6	6	6	14.3	51.778
Q8NCA5	FA98A_HUMAN	Protein FAM98A	519	FAM98A	4	2	2	11.6	55.4
Q52LJ0	FA98B_HUMAN	Protein FAM98B	330	FAM98B	5	5	3	17.6	37.19
P16930	FAAA_HUMAN	Fumarylacetoacetase (FAA) (EC 3.7.1.2) (Beta-diketonase) (Fumarylacetoacetate l	419	FAH	7	7	7	18.1	46.374
P15090	FABP4_HUMAN	Fatty acid-binding protein, adipocyte (Adipocyte lipid-binding protein) (ALBP) (Adip	132	FABP4	10	10	10	64.4	14.719
Q01469	FABP5_HUMAN	Fatty acid-binding protein, epidermal (Epidermal-type fatty acid-binding protein) (E-	135	FABP5	11	11	11	76.3	15.164
Q0Z7S8	FABP9_HUMAN	Fatty acid-binding protein 9 (Testis lipid-binding protein) (TLBP) (Testis-type fatty a	132	FABP9	1	1	1	9.1	15.092
P05413	FABPH_HUMAN	Fatty acid-binding protein, heart (Fatty acid-binding protein 3) (Heart-type fatty acid	133	FABP3	7	7	7	42.9	14.858
O75844	FACE1_HUMAN	CAAX prenyl protease 1 homolog (EC 3.4.24.84) (Farnesylated proteins-converting	475	ZMPSTE24	4	4	4	10.9	54.812
Q8NFF5	FAD1_HUMAN	FAD synthase (EC 2.7.7.2) (FAD pyrophosphorylase) (FMN adenyllyltransferase) (F	587	FLAD1	1	1	1	3.6	65.265
Q9UNN5	FAF1_HUMAN	FAS-associated factor 1 (hFAF1) (UBX domain-containing protein 12) (UBX domair	650	FAF1	2	2	2	3.7	73.953
Q96CS3	FAF2_HUMAN	FAS-associated factor 2 (Protein ETEA) (UBX domain-containing protein 3B) (UBX	445	FAF2	5	5	5	18.4	52.623
Q96GK7	FAH2A_HUMAN	Fumarylacetoacetate hydrolase domain-containing protein 2A (EC 3.--.-)	314	FAHD2A	6	6	6	25.2	34.596
Q6P587	FAHD1_HUMAN	Acylpyruvase FAHD1, mitochondrial (EC 3.7.1.5) (Fumarylacetoacetate hydrolase	224	FAHD1	5	5	5	25.9	24.843
Q05397	FAK1_HUMAN	Focal adhesion kinase 1 (FADK1) (EC 2.7.10.2) (Focal adhesion kinase-related no	1052	PTK2	8	8	8	9.3	119.23
Q92520	FAM3C_HUMAN	Protein FAM3C (Interleukin-like EMT inducer)	227	FAM3C	3	3	3	13.2	24.68
Q9Y4F1	FARP1_HUMAN	FERM, RhoGEF and pleckstrin domain-containing protein 1 (Chondrocyte-derived	1045	FARP1	5	5	5	6.5	118.63
P49327	FAS_HUMAN	Fatty acid synthase (EC 2.3.1.85) [Includes: [Acyl-carrier-protein] S-acetyltransfera	2511	FASN	89	89	89	44.6	273.42
Q8WUP2	FBL1_HUMAN	Filamin-binding LIM protein 1 (FBLP-1) (Migfilin) (Mitogen-inducible 2-interacting pr	373	FBLIM1	5	5	5	13.1	40.669
P23142	FBLN1_HUMAN	Fibulin-1 (FIBL-1)	703	FBLN1	19	19	19	35.1	77.213
P98095	FBLN2_HUMAN	Fibulin-2 (FIBL-2)	1184	FBLN2	26	26	26	32.3	126.57
Q12805	FBLN3_HUMAN	EGF-containing fibulin-like extracellular matrix protein 1 (Extracellular protein S1-5)	493	EFEMP1	17	17	17	40.8	54.64
Q95967	FBLN4_HUMAN	EGF-containing fibulin-like extracellular matrix protein 2 (Fibulin-4) (FIBL-4) (Proteir	443	EFEMP2	7	7	7	20.5	49.405
Q9UBX5	FBLN5_HUMAN	Fibulin-5 (FIBL-5) (Developmental arteries and neural crest EGF-like protein) (Danc	448	FBLN5	12	12	12	31.5	50.18
P35555	FBN1_HUMAN	Fibrillin-1 [Cleaved into: Asprosin]	2871	FBN1	112	112	106	50	312.24
P35556	FBN2_HUMAN	Fibrillin-2 [Cleaved into: Fibrillin-2 C-terminal peptide]	2912	FBN2	8	2	2	2.6	314.77
Q75N90	FBN3_HUMAN	Fibrillin-3 [Cleaved into: Fibrillin-3 C-terminal peptide]	2809	FBN3	2	2	2	1	300.35
P22087	FBRL_HUMAN	rRNA 2'-O-methyltransferase fibrillar (EC 2.1.1.-) (34 kDa nucleolar scleroderma	321	FBL	7	7	7	25.5	33.784
Q9UK22	FBX2_HUMAN	F-box only protein 2	296	FBXO2	2	2	2	7.4	33.327

O75015	FCG3B_HUMAN	Low affinity immunoglobulin gamma Fc region receptor III-B (Fc-gamma RIII-beta) (	233	FCGR3B	1	1	1	3.4	26.216
P55899	FCGRN_HUMAN	IgG receptor FcRn large subunit p51 (FcRn) (IgG Fc fragment receptor transporter	365	FCGRT	3	3	3	8.5	39.743
Q13630	FCL_HUMAN	GDP-L-fucose synthase (EC 1.1.1.271) (GDP-4-keto-6-deoxy-D-mannose-3,5-epir	321	TSTA3	4	4	4	18.4	35.892
O00602	FCN1_HUMAN	Ficolin-1 (Collagen/fibrinogen domain-containing protein 1) (Ficolin-A) (Ficolin- α h	326	FCN1	1	1	1	4.3	35.078
O75636	FCN3_HUMAN	Ficolin-3 (Collagen/fibrinogen domain-containing lectin 3 p35) (Collagen/fibrinogen	299	FCN3	2	2	2	8	32.903
Q96P31	FCRL3_HUMAN	Fc receptor-like protein 3 (FcR-like protein 3) (FcRL3) (Fc receptor homolog 3) (Fcf	734	FCRL3	1	1	1	1.1	80.855
Q96AC1	FERM2_HUMAN	Fermitin family homolog 2 (Kindlin-2) (Mitogen-inducible gene 2 protein) (MIG-2) (P	680	FERMT2	26	26	26	45	77.86
P02765	FETUA_HUMAN	Alpha-2-HS-glycoprotein (Alpha-2-Z-globulin) (Ba-alpha-2-glycoprotein) (Fetuin-A)	367	AHSG	11	11	11	40.3	39.324
Q9UGM5	FETUB_HUMAN	Fetuin-B (16G2) (Fetuin-like protein IRL685) (Gugu)	382	FETUB	4	4	4	13.6	42.054
Q96M96	FGD4_HUMAN	FYVE, RhoGEF and PH domain-containing protein 4 (Actin filament-binding protein	766	FGD4	1	1	1	1.6	86.625
Q6ZNL6	FGD5_HUMAN	FYVE, RhoGEF and PH domain-containing protein 5 (Zinc finger FYVE domain-cor	1462	FGD5	1	1	1	2.3	159.89
P05230	FGF1_HUMAN	Fibroblast growth factor 1 (FGF-1) (Acidic fibroblast growth factor) (aFGF) (Endothe	155	FGF1	1	1	1	7.7	17.459
P09038	FGF2_HUMAN	Fibroblast growth factor 2 (FGF-2) (Basic fibroblast growth factor) (bFGF) (Heparin-	288	FGF2	2	2	2	7.3	30.77
Q14314	FGL2_HUMAN	Fibroleukin (Fibrinogen-like protein 2) (pT49)	439	FGL2	6	6	6	10.9	50.228
P49789	FHIT_HUMAN	Bis(5'-adenosyl)-triphosphatase (EC 3.6.1.29) (AP3A hydrolase) (AP3Aase) (Diade	147	FHIT	1	1	1	8.8	16.858
Q13642	FHL1_HUMAN	Four and a half LIM domains protein 1 (FHL-1) (Skeletal muscle LIM-protein 1) (SL	323	FHL1	13	13	13	47.1	36.263
Q14192	FHL2_HUMAN	Four and a half LIM domains protein 2 (FHL-2) (LIM domain protein DRAL) (Skelet	279	FHL2	6	6	6	26.2	32.193
Q13643	FHL3_HUMAN	Four and a half LIM domains protein 3 (FHL-3) (Skeletal muscle LIM-protein 2) (SL	280	FHL3	4	4	4	20	31.192
Q5TD97	FHL5_HUMAN	Four and a half LIM domains protein 5 (FHL-5) (Activator of cAMP-responsive elem	284	FHL5	11	11	11	41.5	32.719
Q9Y613	FHOD1_HUMAN	FH1/FH2 domain-containing protein 1 (Formin homolog overexpressed in spleen 1)	1164	FHOD1	4	4	4	5.1	126.55
Q03591	FHR1_HUMAN	Complement factor H-related protein 1 (FHR-1) (H factor-like protein 1) (H-factor-lik	330	CFHR1	10	4	1	27.6	37.65
P36980	FHR2_HUMAN	Complement factor H-related protein 2 (FHR-2) (DDESK59) (H factor-like 3) (H fact	270	CFHR2	6	3	3	24.1	30.65
Q9BXR6	FHR5_HUMAN	Complement factor H-related protein 5 (FHR-5)	569	CFHR5	5	4	4	12.1	64.419
P02671	FIBA_HUMAN	Fibrinogen alpha chain [Cleaved into: Fibrinopeptide A; Fibrinogen alpha chain]	866	FGA	33	33	33	43.8	94.972
P02675	FIBB_HUMAN	Fibrinogen beta chain [Cleaved into: Fibrinopeptide B; Fibrinogen beta chain]	491	FGB	35	35	35	72.3	55.928
P02679	FIBG_HUMAN	Fibrinogen gamma chain	453	FGG	26	26	26	64	51.511
Q4L180	FIL1L_HUMAN	Filamin A-interacting protein 1-like (130 kDa GPBP-interacting protein) (90 kDa GP	1135	FILIP1L	9	9	9	7.3	130.38
P02751	FINC_HUMAN	Fibronectin (FN) (Cold-insoluble globulin) (CIG) [Cleaved into: Anastellin; Ugl-Y1; U	2386	FN1	70	70	70	38.8	262.62
Q9Y3D6	FIS1_HUMAN	Mitochondrial fission 1 protein (FIS1 homolog) (hFis1) (Tetratricopeptide repeat pro	152	FIS1	3	3	3	18.4	16.937
Q8N6M3	FITM2_HUMAN	Fat storage-inducing transmembrane protein 2 (Fat-inducing protein 2)	262	FITM2	1	1	1	5	29.855
Q96AY3	FKB10_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP10 (PPIase FKBP10) (EC 5.2.1.8) (65 kDa	582	FKBP10	3	3	3	5.3	64.244
Q9NYL4	FKB11_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP11 (PPIase FKBP11) (EC 5.2.1.8) (19 kDa	201	FKBP11	2	2	2	9	22.18
Q5T1M5	FKB15_HUMAN	FK506-binding protein 15 (FKBP-15) (133 kDa FK506-binding protein) (133 kDa Fk	1219	FKBP15	3	3	3	3.3	133.63
P62942	FKB1A_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP1A (PPIase FKBP1A) (EC 5.2.1.8) (12 kDa;	108	FKBP1A	2	2	2	25	11.951
P26885	FKBP2_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP2 (PPIase FKBP2) (EC 5.2.1.8) (13 kDa F	142	FKBP2	4	4	4	24.6	15.649
Q00688	FKBP3_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP3 (PPIase FKBP3) (EC 5.2.1.8) (25 kDa F	224	FKBP3	8	8	8	41.1	25.177
Q02790	FKBP4_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP4 (PPIase FKBP4) (EC 5.2.1.8) (51 kDa F	459	FKBP4	6	6	6	15.5	51.804
Q13451	FKBP5_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP5 (PPIase FKBP5) (EC 5.2.1.8) (51 kDa F	457	FKBP5	7	7	7	21.7	51.212
Q9Y680	FKBP7_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP7 (PPIase FKBP7) (EC 5.2.1.8) (23 kDa F	259	FKBP7	2	2	2	7.7	30.009
Q14318	FKBP8_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP8 (PPIase FKBP8) (EC 5.2.1.8) (38 kDa F	412	FKBP8	4	4	4	9.7	44.561
O95302	FKBP9_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP9 (PPIase FKBP9) (EC 5.2.1.8) (63 kDa F	570	FKBP9	2	2	2	3.3	63.083
Q13045	FLII_HUMAN	Protein flightless-1 homolog	1269	FLII	7	7	7	7.5	144.75
Q7Z7B0	FILIP1_HUMAN	Filamin-A-interacting protein 1 (FILIP)	1213	FILIP1	2	1	1	2.1	138.11
P21333	FLNA_HUMAN	Filamin-A (FLN-A) (Actin-binding protein 280) (ABP-280) (Alpha-filamin) (Endotheli	2647	FLNA	142	142	126	67.4	280.74
O75369	FLNB_HUMAN	Filamin-B (FLN-B) (ABP-278) (ABP-280 homolog) (Actin-binding-like protein) (Beta	2602	FLNB	92	80	76	42.7	278.16
Q14315	FLNC_HUMAN	Filamin-C (FLN-C) (FLNc) (ABP-280-like protein) (ABP-L) (Actin-binding-like proteir	2725	FLNC	82	66	66	35.9	291.02
O75955	FLOT1_HUMAN	Flotillin-1	427	FLOT1	12	12	12	30	47.355
Q14254	FLOT2_HUMAN	Flotillin-2 (Epidermal surface antigen) (ESA) (Membrane component chromosome	428	FLOT2	11	11	11	25.9	47.064
O95466	FMNL1_HUMAN	Formin-like protein 1 (CLL-associated antigen KW-13) (Leukocyte formin)	1100	FMNL1	2	1	1	2	121.85
Q96PY5	FMNL2_HUMAN	Formin-like protein 2 (Formin homology 2 domain-containing protein 2)	1086	FMNL2	3	2	1	2.9	123.32
Q8IVF7	FMNL3_HUMAN	Formin-like protein 3 (Formin homology 2 domain-containing protein 3) (WWW domai	1028	FMNL3	3	3	2	3.4	117.21
Q01740	FMO1_HUMAN	Dimethylaniline monooxygenase [N-oxide-forming] 1 (EC 1.14.13.8) (Dimethylanilin	532	FMO1	1	1	1	2.1	60.31

Q06828	FMOD_HUMAN	Fibromodulin (FM) (Collagen-binding 59 kDa protein) (Keratan sulfate proteoglycan	376 FMOD	7	7	7	27.9	43.178
Q06787	FMR1_HUMAN	Synaptic functional regulator FMR1 (Fragile X mental retardation protein 1) (FMRP;	632 FMR1	4	4	4	7	71.174
Q9H479	FN3K_HUMAN	Fructosamine-3-kinase (EC 2.7.1.-)	309 FN3K	5	5	5	21.7	35.171
Q99RU3	FNBP1_HUMAN	Formin-binding protein 1 (Formin-binding protein 17) (hFBP17)	617 FNBP1	3	3	3	4.1	71.306
Q9Y2H6	FND3A_HUMAN	Fibronectin type-III domain-containing protein 3A (Human gene expressed in odont	1198 FND3A	3	3	3	2.8	131.85
P49354	FNTA_HUMAN	Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha (EC 2.5	379 FNTA	3	3	3	11.1	44.408
P14207	FOLR2_HUMAN	Folate receptor beta (FR-beta) (Folate receptor 2) (Folate receptor, fetal/placental)	255 FOLR2	5	5	5	20	29.279
P85037	FO XK1_HUMAN	Forkhead box protein K1 (Myocyte nuclear factor) (MNF)	733 FO XK1	2	2	2	3.7	75.456
P14324	FPPS_HUMAN	Farnesyl pyrophosphate synthase (FPP synthase) (FPS) (EC 2.5.1.10) ((2E,6E)-far	419 FDPS	5	5	5	13.6	48.275
Q9P2B2	FPRP_HUMAN	Prostaglandin F2 receptor negative regulator (CD9 partner 1) (CD9P-1) (Glu-Trp-Ile	879 PTGFRN	12	12	12	15.6	98.555
Q95684	FR1OP_HUMAN	FGFR1 oncogene partner	399 FGFR1OP	1	1	1	4	43.064
Q16595	FRDA_HUMAN	Frataxin, mitochondrial (EC 1.16.3.1) (Friedreich ataxia protein) (Fxn) [Cleaved into	210 FXN	1	1	1	5.7	23.135
P02794	FRIH_HUMAN	Ferritin heavy chain (Ferritin H subunit) (EC 1.16.3.1) (Cell proliferation-inducing ge	183 FTH1	5	5	5	39.9	21.225
P02792	FRI L_HUMAN	Ferritin light chain (Ferritin L subunit)	175 FTL	4	4	4	28.6	20.019
Q16658	FSCN1_HUMAN	Fascin (55 kDa actin-bundling protein) (Singed-like protein) (p55)	493 FSCN1	19	19	19	44.6	54.529
Q12841	FSTL1_HUMAN	Follistatin-related protein 1 (Follistatin-like protein 1)	308 FSTL1	5	5	5	18.5	34.985
Q9C0B1	FTO_HUMAN	Alpha-ketoglutarate-dependent dioxygenase FTO (EC 1.14.11.-) (Fat mass and obr	505 FTO	2	2	2	4.2	58.281
Q96AE4	FUBP1_HUMAN	Far upstream element-binding protein 1 (FBP) (FUSE-binding protein 1) (DNA helic	644 FUBP1	14	12	11	22.2	67.56
Q92945	FUBP2_HUMAN	Far upstream element-binding protein 2 (FUSE-binding protein 2) (KH type-splicing	711 KHSRP	20	20	18	36	73.114
Q96124	FUBP3_HUMAN	Far upstream element-binding protein 3 (FUSE-binding protein 3)	572 FUBP3	9	7	7	22.6	61.64
P04066	FUCO_HUMAN	Tissue alpha-L-fucosidase (EC 3.2.1.51) (Alpha-L-fucosidase I) (Alpha-L-fucoside f	466 FUCA1	2	2	2	4.7	53.688
Q8N0W3	FUK_HUMAN	L-fucose kinase (Fucokinase) (EC 2.7.1.52)	1084 FUK	2	2	2	3.4	117.62
P07954	FUMH_HUMAN	Fumarate hydratase, mitochondrial (Fumarase) (EC 4.2.1.2)	510 FH	14	14	14	35.9	54.636
Q9BWH2	FUND2_HUMAN	FUN14 domain-containing protein 2 (Cervical cancer proto-oncogene 3 protein) (Hc	189 FUNDC2	4	4	4	18	20.675
P35637	FUS_HUMAN	RNA-binding protein FUS (75 kDa DNA-pairing protein) (Oncogene FUS) (Oncogere	526 FUS	8	8	6	19.8	53.425
P51114	FXR1_HUMAN	Fragile X mental retardation syndrome-related protein 1 (hFXR1p)	621 FXR1	4	4	4	10	69.72
O15117	FYB_HUMAN	FYN-binding protein (Adhesion and degranulation promoting adaptor protein) (ADA	783 FYB	1	1	1	2.6	85.386
Q9BQS8	FYCO1_HUMAN	FYVE and coiled-coil domain-containing protein 1 (Zinc finger FYVE domain-contai	1478 FYCO1	7	7	7	5.5	166.98
Q13283	G3BP1_HUMAN	Ras GTPase-activating protein-binding protein 1 (G3BP-1) (EC 3.6.4.12) (EC 3.6.4	466 G3BP1	4	4	4	11.4	52.164
Q9UN86	G3BP2_HUMAN	Ras GTPase-activating protein-binding protein 2 (G3BP-2) (GAP SH3 domain-bind	482 G3BP2	2	2	2	5.2	54.12
P04406	G3P_HUMAN	Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) (EC 1.2.1.12) (Peptidyl-cys	335 GAPDH	17	17	17	57.3	36.053
Q8TAE8	G45IP_HUMAN	Growth arrest and DNA damage-inducible proteins-interacting protein 1 (39S ribosc	222 GADD45GIP1	3	3	3	20.7	25.384
P11413	G6PD_HUMAN	Glucose-6-phosphate 1-dehydrogenase (G6PD) (EC 1.1.1.49)	515 G6PD	18	18	18	41.6	59.256
Q95479	G6PE_HUMAN	GDH/6PGL endoplasmic bifunctional protein [Includes: Glucose 1-dehydrogenase (	791 H6PD	10	10	10	13.8	88.892
P06744	G6PI_HUMAN	Glucose-6-phosphate isomerase (GPI) (EC 5.3.1.9) (Autocrine motility factor) (AMF	558 GPI	19	19	13	32.8	63.146
P51570	GALK1_HUMAN	Galactokinase (EC 2.7.1.6) (Galactose kinase)	392 GALK1	6	6	6	16.8	42.272
Q96C23	GALM_HUMAN	Aldose 1-epimerase (EC 5.1.3.3) (Galactose mutarotase)	342 GALM	3	3	3	14.9	37.765
P07902	GALT_HUMAN	Galactose-1-phosphate uridylyltransferase (Gal-1-P uridylyltransferase) (EC 2.7.7.1	379 GALT	2	2	2	6.6	43.363
Q14697	GANAB_HUMAN	Neutral alpha-glucosidase AB (EC 3.2.1.84) (Alpha-glucosidase 2) (Glucosidase II :	944 GANAB	25	25	25	31.8	106.87
Q14C86	GAPD1_HUMAN	GTPase-activating protein and VPS9 domain-containing protein 1 (GAPex-5) (Rabf	1478 GAPVD1	4	4	4	3.3	164.98
Q9H4G4	GAPR1_HUMAN	Golgi-associated plant pathogenesis-related protein 1 (GAPR-1) (Golgi-associated	154 GLIPR2	8	8	8	56.5	17.218
P54826	GAS1_HUMAN	Growth arrest-specific protein 1 (GAS-1)	345 GAS1	2	2	2	8.7	35.693
P50440	GATM_HUMAN	Glycine amidinotransferase, mitochondrial (EC 2.1.4.1) (L-arginine:glycine amidinot	423 GATM	4	4	4	12.8	48.455
P62873	GBB1_HUMAN	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1 (Transducin beta	340 GNB1	12	12	8	45.6	37.377
P62879	GBB2_HUMAN	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 (G protein subun	340 GNB2	11	7	4	40.3	37.331
Q9HAV0	GBB4_HUMAN	Guanine nucleotide-binding protein subunit beta-4 (Transducin beta chain 4)	340 GNB4	10	4	4	36.5	37.567
Q92538	GBF1_HUMAN	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 (BFA-re	1859 GBF1	3	3	3	2.4	206.44
P50151	GBG10_HUMAN	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-10	68 GNG10	1	1	1	22.1	7.2053
Q9UBI6	GBG12_HUMAN	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	72 GNG12	6	6	6	79.2	8.0061
P59768	GBG2_HUMAN	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2 (G gamma-1)	71 GNG2	2	2	2	42.3	7.8501
P32455	GBP1_HUMAN	Guanylate-binding protein 1 (EC 3.6.5.-) (GTP-binding protein 1) (GBP-1) (HuGBP-	592 GBP1	15	15	8	26.9	67.93
P32456	GBP2_HUMAN	Guanylate-binding protein 2 (EC 3.6.5.-) (GTP-binding protein 2) (GBP-2) (HuGBP-	591 GBP2	9	7	5	13.4	67.208

Q96PP9	GBP4_HUMAN	Guanylate-binding protein 4 (EC 3.6.5.-) (GTP-binding protein 4) (GBP-4) (Guanine	640	GBP4	1	1	1	2.2	73.164
Q96PP8	GBP5_HUMAN	Guanylate-binding protein 5 (EC 3.6.5.-) (GBP-TA antigen) (GTP-binding protein 5)	586	GBP5	2	1	1	3.1	66.616
O95166	GBRAP_HUMAN	Gamma-aminobutyric acid receptor-associated protein (GABA(A) receptor-associat	117	GABARAP	2	2	1	15.4	13.918
P60520	GBRL2_HUMAN	Gamma-aminobutyric acid receptor-associated protein-like 2 (GABA(A) receptor-as	117	GABARAPL2	2	1	1	18.8	13.667
Q92947	GCDH_HUMAN	Glutaryl-CoA dehydrogenase, mitochondrial (GCD) (EC 1.3.8.6)	438	GCDH	3	3	3	7.8	48.127
Q92616	GCN1_HUMAN	eIF-2-alpha kinase activator GCN1 (GCN1 eIF-2-alpha kinase activator homolog) ((	2671	GCN1	16	16	15	7.2	292.75
Q96CWS	GCP3_HUMAN	Gamma-tubulin complex component 3 (GCP-3) (hGCP3) (Gamma-ring complex pr	907	TUBGCP3	5	5	5	8.8	103.57
Q9H3P7	GCP60_HUMAN	Golgi resident protein GCP60 (Acyl-CoA-binding domain-containing protein 3) (Gol	528	ACBD3	2	2	2	5.3	60.593
P04150	GCR_HUMAN	Glucocorticoid receptor (GR) (Nuclear receptor subfamily 3 group C member 1)	777	NR3C1	5	5	5	9.8	85.658
Q02108	GCYA3_HUMAN	Guanylate cyclase soluble subunit alpha-3 (GCS-alpha-3) (EC 4.6.1.2) (GCS-alpha	690	GUCY1A3	4	4	4	6.5	77.452
Q02153	GCYB1_HUMAN	Guanylate cyclase soluble subunit beta-1 (GCS-beta-1) (EC 4.6.1.2) (Guanylate cy	619	GUCY1B3	8	8	8	14.2	70.514
P35573	GDE_HUMAN	Glycogen debranching enzyme (Glycogen debrancher) [Includes: 4-alpha-glucanot	1532	AGL	7	7	7	5.4	174.76
P31150	GDI1_HUMAN	Rab GDP dissociation inhibitor alpha (Rab GDI alpha) (Guanosine diphosphate dis	447	GDI1	18	11	11	50.8	50.582
P50395	GDI2_HUMAN	Rab GDP dissociation inhibitor beta (Rab GDI beta) (Guanosine diphosphate disso	445	GDI2	24	24	17	60.7	50.663
P52565	DIR1_HUMAN	Rho GDP-dissociation inhibitor 1 (Rho GDI 1) (Rho-GDI alpha)	204	ARHGDI1	7	7	7	44.6	23.207
P52566	DIR2_HUMAN	Rho GDP-dissociation inhibitor 2 (Rho GDI 2) (Ly-GDI) (Rho-GDI beta)	201	ARHGDI2	6	6	6	42.3	22.988
P52306	GDS1_HUMAN	Rap1 GTPase-GDP dissociation stimulator 1 (Exchange factor smgGDS) (SMG GC	607	RAP1GDS1	6	6	6	11.9	66.316
P06396	GELS_HUMAN	Gelsolin (AGEL) (Actin-depolymerizing factor) (ADF) (Brevin)	782	GSN	35	35	11	49.6	85.696
Q9NQX3	GEPH_HUMAN	Gephyrin [Includes: Molybdopterin adenyltransferase (MPT adenyltransferase) (	736	GPHN	3	3	3	5.3	79.748
Q7L5D6	GET4_HUMAN	Golgi to ER traffic protein 4 homolog (Conserved edge-expressed protein) (Transm	327	GET4	2	2	1	8.6	36.504
Q06210	GFPT1_HUMAN	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1 (EC 2.6.1.16) (L	699	GFPT1	6	6	5	10.3	78.806
P56159	GFRA1_HUMAN	GDNF family receptor alpha-1 (GDNF receptor alpha-1) (GDNFR-alpha-1) (GFR-al	465	GFRA1	1	1	1	3.9	51.455
P30047	GFRP_HUMAN	GTP cyclohydrolase 1 feedback regulatory protein (GFRP) (GTP cyclohydrolase I fi	84	GCHFR	1	1	1	19	9.6981
O75223	GGCT_HUMAN	Gamma-glutamylcyclotransferase (EC 2.3.2.4) (Cytochrome c-releasing factor 21)	188	GGCT	5	5	5	29.8	21.007
Q92820	GGH_HUMAN	Gamma-glutamyl hydrolase (EC 3.4.19.9) (Conjugase) (GH) (Gamma-Glu-X carbox	318	GGH	3	3	3	11.9	35.964
P36269	GGT5_HUMAN	Gamma-glutamyltransferase 5 (GGT 5) (EC 2.3.2.2) (Gamma-glutamyl transpeptid	586	GGT5	9	9	9	17.4	62.26
Q9H936	GHC1_HUMAN	Mitochondrial glutamate carrier 1 (GC-1) (Glutamate/H(+) symporter 1) (Solute carr	323	SLC25A22	4	4	4	18.9	34.47
Q9H3K2	GHITM_HUMAN	Growth hormone-inducible transmembrane protein (Dermal papilla-derived protein ;	345	GHITM	1	1	1	2.9	37.205
Q9NWU2	GID8_HUMAN	Glucose-induced degradation protein 8 homolog (Two hybrid-associated protein 1 v	228	GID8	1	1	1	6.6	26.748
P13284	GILT_HUMAN	Gamma-interferon-inducible lysosomal thiol reductase (EC 1.8.-.-) (Gamma-interfer	250	IFI30	2	2	2	8	27.963
Q8WWP7	GIMA1_HUMAN	GTPase IMAP family member 1 (Immunity-associated protein 1) (hIMAP1)	306	GIMAP1	5	5	5	18.3	34.369
Q9NUV9	GIMA4_HUMAN	GTPase IMAP family member 4 (Immunity-associated nucleotide 1 protein) (IAN-1)	329	GIMAP4	8	8	8	22.8	37.533
Q96F15	GIMA5_HUMAN	GTPase IMAP family member 5 (Immunity-associated nucleotide 4-like 1 protein) (I	307	GIMAP5	2	2	2	10.4	34.846
Q8NHV1	GIMA7_HUMAN	GTPase IMAP family member 7 (Immunity-associated nucleotide 7 protein) (IAN-7)	300	GIMAP7	2	2	2	7	34.508
Q8ND71	GIMA8_HUMAN	GTPase IMAP family member 8 (Immune-associated nucleotide-binding protein 9) (I	665	GIMAP8	6	6	6	9.6	74.889
O14908	GIPC1_HUMAN	PDZ domain-containing protein GIPC1 (GAIP C-terminus-interacting protein) (RGS	333	GIPC1	2	1	1	8.4	36.049
Q8TF64	GIPC3_HUMAN	PDZ domain-containing protein GIPC3	312	GIPC3	2	2	1	6.4	33.981
Q9Y2X7	GIT1_HUMAN	ARF GTPase-activating protein GIT1 (ARF GAP GIT1) (Cool-associated and tyrosi	761	GIT1	2	2	2	2.4	84.34
Q14161	GIT2_HUMAN	ARF GTPase-activating protein GIT2 (ARF GAP GIT2) (Cool-interacting tyrosine-pl	759	GIT2	5	5	5	6.1	84.542
P04062	GLCM_HUMAN	Glucosylceramidase (EC 3.2.1.45) (Acid beta-glucosidase) (Alglucerase) (Beta-gluc	536	GBA	1	1	1	1.9	59.716
Q04446	GLGB_HUMAN	1,4-alpha-glucan-branching enzyme (EC 2.4.1.18) (Brancher enzyme) (Glycogen-b	702	GBE1	9	9	9	19.9	80.473
P15104	GLNA_HUMAN	Glutamine synthetase (GS) (EC 6.3.1.2) (Glutamate decarboxylase) (EC 4.1.1.15) (	373	GLUL	10	10	10	28.2	42.064
Q16775	GLO2_HUMAN	Hydroxyacylglutathione hydrolase, mitochondrial (EC 3.1.2.6) (Glyoxalase II) (Glx II)	308	HAGH	5	5	5	15.9	33.805
Q9HC38	GLOD4_HUMAN	Glyoxalase domain-containing protein 4	313	GLOD4	11	11	11	33.5	34.793
P02724	GLPA_HUMAN	Glycophorin-A (MN sialoglycoprotein) (PAS-2) (Sialoglycoprotein alpha) (CD antige	150	GYPA	1	1	1	20	16.331
P04921	GLPC_HUMAN	Glycophorin-C (Glycoconnectin) (Glycophorin-D) (GPD) (Glycoprotein beta) (PAS-2	128	GYPC	2	2	2	27.3	13.81
Q14409	GLPK3_HUMAN	Glycerol kinase 3 (GK 3) (Glycerokinase 3) (EC 2.7.1.30) (ATP:glycerol 3-phospho	553	GK3P	1	1	1	2.2	60.597
P35754	GLRX1_HUMAN	Glutaredoxin-1 (Thioltransferase-1) (TTase-1)	106	GLRX	2	2	2	27.4	11.776
O76003	GLRX3_HUMAN	Glutaredoxin-3 (PKC-interacting cousin of thioredoxin) (PICOT) (PKC-theta-interact	335	GLRX3	3	3	3	11	37.432
Q86SX6	GLRX5_HUMAN	Glutaredoxin-related protein 5, mitochondrial (Monothiol glutaredoxin-5)	157	GLRX5	3	3	3	28	16.628
Q94925	GLSK_HUMAN	Glutaminase kidney isoform, mitochondrial (GLS) (EC 3.5.1.2) (K-glutaminase) (L-g	669	GLS	8	8	8	14.6	73.46
Q9UI32	GLSL_HUMAN	Glutaminase liver isoform, mitochondrial (GLS) (EC 3.5.1.2) (L-glutaminase) (L-glut	602	GLS2	1	1	1	1.2	66.322

Q9NZD2	GLTP_HUMAN	Glycolipid transfer protein (GLTP)	209	GLTP	1	1	1	4.3	23.85
P14314	GLU2B_HUMAN	Glucosidase 2 subunit beta (80K-H protein) (Glucosidase II subunit beta) (Protein k	528	PRKCSH	14	14	14	34.1	59.425
P34896	GLYC_HUMAN	Serine hydroxymethyltransferase, cytosolic (SHMT) (EC 2.1.2.1) (Glycine hydroxyn	483	SHMT1	6	6	6	17.2	53.082
P46976	GLYG_HUMAN	Glycogenin-1 (GN-1) (GN1) (EC 2.4.1.186)	350	GYG1	3	3	3	12.6	39.383
O15488	GLYG2_HUMAN	Glycogenin-2 (GN-2) (GN2) (EC 2.4.1.186)	501	GYG2	3	3	3	7.4	55.183
P34897	GLYM_HUMAN	Serine hydroxymethyltransferase, mitochondrial (SHMT) (EC 2.1.2.1) (Glycine hydr	504	SHMT2	8	8	8	15.7	55.992
Q49A26	GLYR1_HUMAN	Putative oxidoreductase GLYR1 (EC 1.-.-.-) (3-hydroxyisobutyrate dehydrogenase-	553	GLYR1	6	6	6	16.3	60.556
O60547	GMDS_HUMAN	GDP-mannose 4,6 dehydratase (EC 4.2.1.47) (GDP-D-mannose dehydratase) (GM	372	GMDS	2	2	2	7	41.949
P60983	GMFB_HUMAN	Glia maturation factor beta (GMF-beta)	142	GMFB	4	3	2	30.3	16.713
O60234	GMFG_HUMAN	Glia maturation factor gamma (GMF-gamma)	142	GMFG	4	4	3	31.7	16.801
Q961J6	GMPPA_HUMAN	Mannose-1-phosphate guanylyltransferase alpha (GDP-mannose pyrophosphorylase	420	GMPPA	2	2	2	5.5	46.291
Q9Y5P6	GMPPB_HUMAN	Mannose-1-phosphate guanylyltransferase beta (EC 2.7.7.13) (GDP-mannose pyrop	360	GMPPB	3	3	3	8.9	39.834
P36959	GMPR1_HUMAN	GMP reductase 1 (GMPR 1) (EC 1.7.1.7) (Guanosine 5'-monophosphate oxidoredu	345	GMPR	3	2	2	13.9	37.418
Q9P2T1	GMPR2_HUMAN	GMP reductase 2 (GMPR 2) (EC 1.7.1.7) (Guanosine 5'-monophosphate oxidoredu	348	GMPR2	8	8	7	24.1	37.874
P29992	GNA11_HUMAN	Guanine nucleotide-binding protein subunit alpha-11 (G alpha-11) (G-protein subur	359	GNA11	10	10	5	36.2	42.123
Q14344	GNA13_HUMAN	Guanine nucleotide-binding protein subunit alpha-13 (G alpha-13) (G-protein subur	377	GNA13	11	11	11	35	44.049
O95837	GNA14_HUMAN	Guanine nucleotide-binding protein subunit alpha-14 (G alpha-14) (G-protein subur	355	GNA14	3	1	1	11.5	41.57
P63096	GNAI1_HUMAN	Guanine nucleotide-binding protein G(i) subunit alpha-1 (Adenylate cyclase-inhibitir	354	GNAI1	10	3	3	32.5	40.361
P04899	GNAI2_HUMAN	Guanine nucleotide-binding protein G(i) subunit alpha-2 (Adenylate cyclase-inhibitir	355	GNAI2	17	17	10	61.4	40.45
P08754	GNAI3_HUMAN	Guanine nucleotide-binding protein G(k) subunit alpha (G(i) alpha-3)	354	GNAI3	12	5	5	41.2	40.532
P09471	GNAO_HUMAN	Guanine nucleotide-binding protein G(o) subunit alpha	354	GNAO1	8	6	6	24	40.05
P50148	GNAQ_HUMAN	Guanine nucleotide-binding protein G(q) subunit alpha (Guanine nucleotide-binding	359	GNAQ	9	6	6	34.3	42.142
P63092	GNAS2_HUMAN	Guanine nucleotide-binding protein G(s) subunit alpha isoforms short (Adenylate cy	394	GNAS	12	11	11	36.5	45.664
P36915	GNL1_HUMAN	Guanine nucleotide-binding protein-like 1 (GTP-binding protein HSR1)	607	GNL1	4	4	4	7.9	68.66
P46926	GNPI1_HUMAN	Glucosamine-6-phosphate isomerase 1 (EC 3.5.99.6) (Glucosamine-6-phosphate c	289	GNPDA1	2	2	2	7.6	32.668
Q8TDQ7	GNPI2_HUMAN	Glucosamine-6-phosphate isomerase 2 (EC 3.5.99.6) (Glucosamine-6-phosphate c	276	GNPDA2	2	2	2	16.3	31.084
P15586	GNS_HUMAN	N-acetylglucosamine-6-sulfatase (EC 3.1.6.14) (Glucosamine-6-sulfatase) (G6S)	552	GNS	3	3	3	6.2	62.081
Q92805	GOGA1_HUMAN	Golgin subfamily A member 1 (Golgin-97)	767	GOLGA1	1	1	1	2.3	88.183
Q08378	GOGA3_HUMAN	Golgin subfamily A member 3 (Golgi complex-associated protein of 170 kDa) (GCP	1498	GOLGA3	6	6	6	6.3	167.35
Q13439	GOGA4_HUMAN	Golgin subfamily A member 4 (256 kDa golgin) (Golgin-245) (Protein 72.1) (Trans-(	2230	GOLGA4	4	3	3	1.9	261.14
Q8TBA6	GOGA5_HUMAN	Golgin subfamily A member 5 (Cell proliferation-inducing gene 31 protein) (Golgin- ϵ	731	GOLGA5	3	3	3	4.1	83.023
Q14789	GOGB1_HUMAN	Golgin subfamily B member 1 (372 kDa Golgi complex-associated protein) (GCP37	3259	GOLGB1	7	7	6	2.1	376.01
O00461	GOLI4_HUMAN	Golgi integral membrane protein 4 (Golgi integral membrane protein, cis) (GIMPc) (	696	GOLIM4	1	1	1	1.1	81.879
Q9H4A6	GOLP3_HUMAN	Golgi phosphoprotein 3 (Coat protein GPP34) (Mitochondrial DNA absence factor)	298	GOLPH3	2	2	2	10.4	33.81
Q9H8Y8	GORS2_HUMAN	Golgi reassembly-stacking protein 2 (GRS2) (Golgi phosphoprotein 6) (GOLPH6) (	452	GORASP2	3	3	3	6.4	47.145
O95249	GOSR1_HUMAN	Golgi SNAP receptor complex member 1 (28 kDa Golgi SNARE protein) (28 kDa ci	250	GOSR1	1	1	1	4.8	28.612
O14653	GOSR2_HUMAN	Golgi SNAP receptor complex member 2 (27 kDa Golgi SNARE protein) (Membrin)	212	GOSR2	1	1	1	4.7	24.775
Q9NPR9	GP108_HUMAN	Protein GPR108 (Lung seven transmembrane receptor 2)	543	GPR108	1	1	1	2	60.632
Q9HCL2	GPAT1_HUMAN	Glycerol-3-phosphate acyltransferase 1, mitochondrial (GPAT-1) (EC 2.3.1.15)	828	GPAM	3	3	3	5.9	93.794
Q53EU6	GPAT3_HUMAN	Glycerol-3-phosphate acyltransferase 3 (GPAT-3) (EC 2.3.1.15) (1-acyl-sn-glycerol	434	GPAT3	3	3	3	9.4	48.705
O75487	GPC4_HUMAN	Glypican-4 (K-glypican) [Cleaved into: Secreted glypican-4]	556	GPC4	2	2	2	5.9	62.411
Q9NZH0	GPC5B_HUMAN	G-protein coupled receptor family C group 5 member B (A-69G12.1) (Retinoic acid-	403	GPRC5B	1	1	1	3	44.794
Q9Y625	GPC6_HUMAN	Glypican-6 [Cleaved into: Secreted glypican-6]	555	GPC6	3	3	3	6.7	62.735
Q8N335	GPD1L_HUMAN	Glycerol-3-phosphate dehydrogenase 1-like protein (GPD1-L) (EC 1.1.1.8)	351	GPD1L	11	10	10	34.5	38.418
P21695	GPDA_HUMAN	Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic (GPD-C) (GPDH-C) (E	349	GPD1	23	23	22	75.9	37.567
P43304	GPDM_HUMAN	Glycerol-3-phosphate dehydrogenase, mitochondrial (GPD-M) (GPDH-M) (EC 1.1.1.	727	GPD2	16	16	16	25.6	80.852
P0CG08	GPHRB_HUMAN	Golgi pH regulator B (Protein GPR89B)	455	GPR89B	1	1	1	2.9	52.916
Q13491	GPM6B_HUMAN	Neuronal membrane glycoprotein M6-b (M6b)	265	GPM6B	1	1	1	2.6	28.989
Q9HCN4	GPN1_HUMAN	GPN-loop GTPase 1 (EC 3.6.5.-) (MBD2-interacting protein) (MBDin) (RNAPII-assc	374	GPN1	2	2	2	6.4	41.74
Q14956	GNPMB_HUMAN	Transmembrane glycoprotein NMB (Transmembrane glycoprotein HGFIN)	572	GNPMB	1	1	1	1.6	63.922
P07203	GPX1_HUMAN	Glutathione peroxidase 1 (GPx-1) (GSHPx-1) (EC 1.11.1.9) (Cellular glutathione pe	203	GPX1	5	5	5	28.1	22.088
P22352	GPX3_HUMAN	Glutathione peroxidase 3 (GPx-3) (GSHPx-3) (EC 1.11.1.9) (Extracellular glutathio	226	GPX3	3	3	3	15.9	25.552

P36969	GPX4_HUMAN	Phospholipid hydroperoxide glutathione peroxidase, mitochondrial (PHGPx) (EC 1.11.1.11)	197	GPX4	7	7	7	33	22.174
Q8TED1	GPX8_HUMAN	Probable glutathione peroxidase 8 (GPx-8) (GSHPx-8) (EC 1.11.1.9)	209	GPX8	1	1	1	5.3	23.881
Q4V328	GRAP1_HUMAN	GRIP1-associated protein 1 (GRASP-1)	841	GRIPAP1	2	2	2	3.1	95.988
P62993	GRB2_HUMAN	Growth factor receptor-bound protein 2 (Adapter protein GRB2) (Protein Ash) (SH2)	217	GRB2	6	6	6	30	25.206
Q9UBQ7	GRHPR_HUMAN	Glyoxylate reductase/hydroxypyruvate reductase (EC 1.1.1.79) (EC 1.1.1.81)	328	GRHPR	6	6	6	25.3	35.668
P34947	GRK5_HUMAN	G protein-coupled receptor kinase 5 (EC 2.7.11.16) (G protein-coupled receptor kin	590	GRK5	2	2	2	3.4	67.786
P38646	GRP75_HUMAN	Stress-70 protein, mitochondrial (75 kDa glucose-regulated protein) (GRP-75) (Hea	679	HSPA9	35	34	34	51.3	73.68
P11021	GRP78_HUMAN	78 kDa glucose-regulated protein (GRP-78) (Endoplasmic reticulum lumenal Ca(2+	654	HSPA5	30	28	28	46.5	72.332
Q9HAV7	GRPE1_HUMAN	GrpE protein homolog 1, mitochondrial (HMGE) (Mt-GrpE#1)	217	GRPEL1	5	5	5	22.6	24.279
Q9BQ67	GRWD1_HUMAN	Glutamate-rich WD repeat-containing protein 1	446	GRWD1	2	2	2	5.2	49.419
Q96QA5	GSDMA_HUMAN	Gasdermin-A (Gasdermin-1)	445	GSDMA	1	1	1	2.9	49.364
P57764	GSDMD_HUMAN	Gasdermin-D (Gasdermin domain-containing protein 1) [Cleaved into: Gasdermin-E	484	GSDMD	2	2	2	7	52.8
P48507	GSH0_HUMAN	Glutamate--cysteine ligase regulatory subunit (GCS light chain) (Gamma-ECS regu	274	GCCLM	1	1	1	5.8	30.727
P48506	GSH1_HUMAN	Glutamate--cysteine ligase catalytic subunit (EC 6.3.2.2) (GCS heavy chain) (Gamr	637	GCLC	9	9	9	19.5	72.765
P48637	GSHB_HUMAN	Glutathione synthetase (GSH synthetase) (GSH-S) (EC 6.3.2.3) (Glutathione synth	474	GSS	9	9	9	20.9	52.384
P00390	GSHR_HUMAN	Glutathione reductase, mitochondrial (GR) (GRase) (EC 1.8.1.7)	522	GSR	7	7	7	15.9	56.256
P49840	GSK3A_HUMAN	Glycogen synthase kinase-3 alpha (GSK-3 alpha) (EC 2.7.11.26) (Serine/threonine	483	GSK3A	1	1	1	2.9	50.98
Q92896	GSLG1_HUMAN	Golgi apparatus protein 1 (CFR-1) (Cysteine-rich fibroblast growth factor receptor) (	1179	GLG1	15	15	15	14.2	134.55
Q9Y2Q3	GSTK1_HUMAN	Glutathione S-transferase kappa 1 (EC 2.5.1.18) (GST 13-13) (GST class-kappa) (	226	GSTK1	3	3	3	19.9	25.497
P09488	GSTM1_HUMAN	Glutathione S-transferase Mu 1 (EC 2.5.1.18) (GST HB subunit 4) (GST class-mu 1	218	GSTM1	8	4	1	35.8	25.712
P28161	GSTM2_HUMAN	Glutathione S-transferase Mu 2 (EC 2.5.1.18) (GST class-mu 2) (GSTM2-2)	218	GSTM2	8	8	3	39.9	25.744
P21266	GSTM3_HUMAN	Glutathione S-transferase Mu 3 (EC 2.5.1.18) (GST class-mu 3) (GSTM3-3) (hGST	225	GSTM3	12	12	12	49.8	26.559
Q03013	GSTM4_HUMAN	Glutathione S-transferase Mu 4 (EC 2.5.1.18) (GST class-mu 4) (GST-Mu2) (GSTM	218	GSTM4	7	1	1	34.4	25.561
P46439	GSTM5_HUMAN	Glutathione S-transferase Mu 5 (EC 2.5.1.18) (GST class-mu 5) (GSTM5-5)	218	GSTM5	8	3	3	38.5	25.674
P78417	GSTO1_HUMAN	Glutathione S-transferase omega-1 (GSTO-1) (EC 2.5.1.18) (Glutathione S-transfe	241	GSTO1	8	8	8	33.6	27.566
P09211	GSTP1_HUMAN	Glutathione S-transferase P (EC 2.5.1.18) (GST class-pi) (GSTP1-1)	210	GSTP1	8	8	8	47.6	23.356
P30711	GSTT1_HUMAN	Glutathione S-transferase theta-1 (EC 2.5.1.18) (GST class-theta-1) (Glutathione tr	240	GSTT1	4	4	4	23.3	27.335
P0CG30	GSTT2_HUMAN	Glutathione S-transferase theta-2B (EC 2.5.1.18) (GST class-theta-2) (Glutathione	244	GSTT2B	1	1	1	5.3	27.507
Q8NBJ5	GT251_HUMAN	Procollagen galactosyltransferase 1 (EC 2.4.1.50) (Collagen beta(1-O)galactosyltra	622	COLGALT1	6	6	6	10.6	71.635
P78347	GTF2I_HUMAN	General transcription factor II-I (GTFII-I) (TFII-I) (Bruton tyrosine kinase-associated	998	GTF2I	8	8	8	9.9	112.42
P11166	GTR1_HUMAN	Solute carrier family 2, facilitated glucose transporter member 1 (Glucose transport	492	SLC2A1	6	6	6	12.2	54.083
P49915	GUAAs_HUMAN	GMP synthase [glutamine-hydrolyzing] (EC 6.3.5.2) (GMP synthetase) (Glutamine :	693	GMPS	4	4	4	7.4	76.715
Q9UBP9	GULP1_HUMAN	PTB domain-containing engulfment adapter protein 1 (Cell death protein 6 homolog	304	GULP1	2	2	2	6.6	34.49
P13807	GYS1_HUMAN	Glycogen [starch] synthase, muscle (EC 2.4.1.11)	737	GYS1	5	5	5	11.8	83.785
P07305	H10_HUMAN	Histone H1.0 (Histone H1') (Histone H1(0)) [Cleaved into: Histone H1.0, N-terminal	194	H1F0	7	7	7	30.9	20.863
Q02539	H11_HUMAN	Histone H1.1 (Histone H1a)	215	HIST1H1A	7	2	2	30.2	21.842
P16403	H12_HUMAN	Histone H1.2 (Histone H1c) (Histone H1d) (Histone H1s-1)	213	HIST1H1C	16	4	4	48.8	21.364
P16402	H13_HUMAN	Histone H1.3 (Histone H1c) (Histone H1s-2)	221	HIST1H1D	13	4	4	46.2	22.35
P10412	H14_HUMAN	Histone H1.4 (Histone H1b) (Histone H1s-4)	219	HIST1H1E	17	17	5	50.2	21.865
P16401	H15_HUMAN	Histone H1.5 (Histone H1a) (Histone H1b) (Histone H1s-3)	226	HIST1H1B	15	9	9	44.7	22.58
O14756	H17B6_HUMAN	17-beta-hydroxysteroid dehydrogenase type 6 (17-beta-HSD 6) (17-beta-HSD6) (E	317	HSD17B6	2	2	2	6.6	35.965
Q53T59	H1BP3_HUMAN	HCLS1-binding protein 3 (HS1-binding protein 3) (HSP1BP-3)	392	HS1BP3	1	1	1	4.3	42.78
Q92522	H1X_HUMAN	Histone H1x	213	H1FX	9	9	9	42.7	22.487
Q6F113	H2A2A_HUMAN	Histone H2A type 2-A (Histone H2A.2) (Histone H2A/o)	130	HIST2H2AA3	8	4	1	53.8	14.095
Q8IUE6	H2A2B_HUMAN	Histone H2A type 2-B	130	HIST2H2AB	4	1	1	23.1	13.995
Q71UI9	H2AV_HUMAN	Histone H2A.V (H2A.F/Z)	128	H2AFV	4	2	2	31.2	13.509
Q9P0M6	H2AW_HUMAN	Core histone macro-H2A.2 (Histone macroH2A2) (mH2A2)	372	H2AFY2	5	3	3	14.8	40.058
P16104	H2AX_HUMAN	Histone H2AX (H2a/x) (Histone H2A.X)	143	H2AFX	8	8	4	28.7	15.144
O75367	H2AY_HUMAN	Core histone macro-H2A.1 (Histone macroH2A1) (mH2A1) (Histone H2A.y) (H2A/y	372	H2AFY	11	11	9	34.4	39.617
Q71DI3	H32_HUMAN	Histone H3.2 (Histone H3/m) (Histone H3/o)	136	HIST2H3A	6	1	1	31.6	15.388
P84243	H33_HUMAN	Histone H3.3	136	H3F3A	7	7	2	32.4	15.328
P62805	H4_HUMAN	Histone H4	103	HIST1H4A	10	10	10	63.1	11.367

Q14520	HABP2_HUMAN	Hyaluronan-binding protein 2 (EC 3.4.21.-) (Factor VII-activating protease) (Factor :	560	HABP2	4	4	4	9.1	62.671
Q6Y1H2	HACD2_HUMAN	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 2 (EC 4.2.1.134) (3-hydroxyac	254	HACD2	2	2	2	7.9	28.368
Q9P035	HACD3_HUMAN	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3 (EC 4.2.1.134) (3-hydroxyac	362	HACD3	4	4	4	12.4	43.159
Q13442	HAP28_HUMAN	28 kDa heat- and acid-stable phosphoprotein (PDGF-associated protein) (PAP) (P[	181	PDAP1	8	8	8	33.1	20.63
O14929	HAT1_HUMAN	Histone acetyltransferase type B catalytic subunit (EC 2.3.1.48) (Histone acetyltran	419	HAT1	1	1	1	3.1	49.512
P69905	HBA_HUMAN	Hemoglobin subunit alpha (Alpha-globin) (Hemoglobin alpha chain)	142	HBA1	11	11	10	73.2	15.257
P09105	HBAT_HUMAN	Hemoglobin subunit theta-1 (Hemoglobin theta-1 chain) (Theta-1-globin)	142	HBQ1	2	2	2	19	15.508
P68871	HBB_HUMAN	Hemoglobin subunit beta (Beta-globin) (Hemoglobin beta chain) [Cleaved into: LVV	147	HBB	14	14	8	94.6	15.998
P02042	HBD_HUMAN	Hemoglobin subunit delta (Delta-globin) (Hemoglobin delta chain)	147	HBD	13	7	7	91.8	16.055
P69891	HBG1_HUMAN	Hemoglobin subunit gamma-1 (Gamma-1-globin) (Hb F Agamma) (Hemoglobin ga	147	HBG1	12	11	1	78.2	16.14
P69892	HBG2_HUMAN	Hemoglobin subunit gamma-2 (Gamma-2-globin) (Hb F Ggamma) (Hemoglobin ga	147	HBG2	12	1	1	78.2	16.126
Q9Y450	HBS1L_HUMAN	HBS1-like protein (ERFS)	684	HBS1L	2	2	2	3.1	75.472
Q99714	HCD2_HUMAN	3-hydroxyacyl-CoA dehydrogenase type-2 (EC 1.1.1.35) (17-beta-hydroxysteroid d	261	HSD17B10	10	10	10	55.9	26.923
Q16836	HCDH_HUMAN	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial (HCDH) (EC 1.1.1.35) (M	314	HADH	14	14	14	39.5	34.293
P51610	HCFC1_HUMAN	Host cell factor 1 (HCF) (HCF-1) (C1 factor) (CFF) (VCAF) (VP16 accessory protei	2035	HCFC1	8	8	8	6.4	208.73
P08631	HCK_HUMAN	Tyrosine-protein kinase HCK (EC 2.7.10.2) (Hematopoietic cell kinase) (Hemopoi	526	HCK	2	1	1	4.2	59.599
P14317	HCLS1_HUMAN	Hematopoietic lineage cell-specific protein (Hematopoietic cell-specific LYN subst	486	HCLS1	7	7	7	16.7	54.013
P42858	HD_HUMAN	Huntingtin (Huntington disease protein) (HD protein)	3142	HTT	2	2	2	0.8	347.6
Q92769	HDAC2_HUMAN	Histone deacetylase 2 (HD2) (EC 3.5.1.98)	488	HDAC2	3	3	1	8.6	55.364
Q7Z4H3	HDDC2_HUMAN	HD domain-containing protein 2 (Hepatitis C virus NS5A-transactivated protein 2) (I	204	HDCC2	2	2	2	14.7	23.39
P51858	HDGF_HUMAN	Hepatoma-derived growth factor (HDGF) (High mobility group protein 1-like 2) (HM	240	HDGF	14	14	13	65.8	26.788
Q7Z4V5	HDGR2_HUMAN	Hepatoma-derived growth factor-related protein 2 (HRP-2) (Hepatoma-derived grov	671	HDGFRP2	6	5	5	11.6	74.316
Q9Y3E1	HDGR3_HUMAN	Hepatoma-derived growth factor-related protein 3 (HRP-3) (Hepatoma-derived grov	203	HDGFRP3	7	6	6	34	22.619
Q08623	HDHD1_HUMAN	Pseudouridine-5'-phosphatase (EC 3.1.3.96) (Haloacid dehalogenase-like hydrolas	228	PUDP	1	1	1	4.4	25.249
Q9BSH5	HDHD3_HUMAN	Haloacid dehalogenase-like hydrolase domain-containing protein 3	251	HDHD3	1	1	1	9.6	28
Q9NRV9	HEBP1_HUMAN	Heme-binding protein 1 (p22HBP)	189	HEBP1	6	6	6	33.3	21.097
Q9Y5Z4	HEBP2_HUMAN	Heme-binding protein 2 (Placental protein 23) (PP23) (Protein SOUL)	205	HEBP2	5	5	5	26.3	22.875
Q9ULT8	HECD1_HUMAN	E3 ubiquitin-protein ligase HECTD1 (EC 2.3.2.26) (E3 ligase for inhibin receptor) (E	2610	HECTD1	1	1	1	0.6	289.38
Q5T447	HECD3_HUMAN	E3 ubiquitin-protein ligase HECTD3 (EC 2.3.2.26) (HECT domain-containing protei	861	HECTD3	1	1	1	1.9	97.112
P13716	HEM2_HUMAN	Delta-aminolevulinic acid dehydratase (ALADH) (EC 4.2.1.24) (Porphobilinogen syr	330	ALAD	4	4	4	15.8	36.294
P08397	HEM3_HUMAN	Porphobilinogen deaminase (PBG-D) (EC 2.5.1.61) (Hydroxymethylbilane synthase	361	HMBS	6	6	6	16.3	39.33
P10746	HEM4_HUMAN	Uroporphyrinogen-III synthase (UROIII) (UROS) (EC 4.2.1.75) (Hydroxymethylbil	265	UROS	1	1	1	5.7	28.627
P36551	HEM6_HUMAN	Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial (COX) (Coproge	454	CPOX	1	1	1	2.6	50.151
P22830	HEMH_HUMAN	Ferrochelatase, mitochondrial (EC 4.99.1.1) (Heme synthase) (Protoheme ferro-lya	423	FECH	4	4	4	10.4	47.862
P02790	HEMO_HUMAN	Hemopexin (Beta-1B-glycoprotein)	462	HPX	13	13	13	40.9	51.676
P05546	HEP2_HUMAN	Heparin cofactor 2 (Heparin cofactor II) (HC-II) (Protease inhibitor leuserpin-2) (HL	499	SERPIND1	8	8	8	16.2	57.07
Q5GLZ8	HERC4_HUMAN	Probable E3 ubiquitin-protein ligase HERC4 (EC 2.3.2.26) (HECT domain and RCC	1057	HERC4	2	2	2	2.6	118.56
P06865	HEXA_HUMAN	Beta-hexosaminidase subunit alpha (EC 3.2.1.52) (Beta-N-acetylhexosaminidase s	529	HEXA	4	4	4	5.7	60.702
P07686	HEXB_HUMAN	Beta-hexosaminidase subunit beta (EC 3.2.1.52) (Beta-N-acetylhexosaminidase su	556	HEXB	5	5	5	11.3	63.111
P04233	HG2A_HUMAN	HLA class II histocompatibility antigen gamma chain (HLA-DR antigens-associated	296	CD74	6	6	6	21.3	33.515
P26927	HGFL_HUMAN	Hepatocyte growth factor-like protein (Macrophage stimulatory protein) (Macrophag	711	MST1	3	3	3	5.8	80.319
O14964	HGS_HUMAN	Hepatocyte growth factor-regulated tyrosine kinase substrate (Hrs) (Protein pp110)	777	HGS	8	8	8	9.9	86.191
Q6NVY1	HIBCH_HUMAN	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial (EC 3.1.2.4) (3-hydroxyisobutyry	386	HIBCH	11	11	11	30.3	43.482
Q9Y241	HIG1A_HUMAN	HIG1 domain family member 1A, mitochondrial (Hypoxia-inducible gene 1 protein) (	93	HIGD1A	1	1	1	19.4	10.143
P49773	HINT1_HUMAN	Histidine triad nucleotide-binding protein 1 (EC 3.-.-) (Adenosine 5'-monophospho	126	HINT1	3	3	3	23.8	13.802
Q9BX68	HINT2_HUMAN	Histidine triad nucleotide-binding protein 2, mitochondrial (HINT-2) (EC 3.-.-) (HIN	163	HINT2	3	3	3	27.6	17.162
O00291	HIP1_HUMAN	Huntingtin-interacting protein 1 (HIP-1) (Huntingtin-interacting protein I) (HIP-I)	1037	HIP1	9	9	8	9.8	116.22
P13747	HLAE_HUMAN	HLA class I histocompatibility antigen, alpha chain E (MHC class I antigen E)	358	HLA-E	5	2	2	17.6	40.156
P30511	HLAF_HUMAN	HLA class I histocompatibility antigen, alpha chain F (CDA12) (HLA F antigen) (Leu	346	HLA-F	1	1	1	6.9	39.061
P17693	HLAG_HUMAN	HLA class I histocompatibility antigen, alpha chain G (HLA G antigen) (MHC class I	338	HLA-G	2	1	1	6.8	38.224
Q14527	HLTF_HUMAN	Helicase-like transcription factor (EC 2.3.2.27) (EC 3.6.4.-) (DNA-binding protein/pl	1009	HLTF	1	1	1	1.8	113.93
Q8TCT9	HM13_HUMAN	Minor histocompatibility antigen H13 (EC 3.4.23.-) (Intramembrane protease 1) (IMI	377	HM13	3	3	3	11.9	41.488

Q8NDA2	HMCN2_HUMAN	Hemicentin-2	5059	HMCN2	1	1	1	0.2	541.97
P54868	HMCS2_HUMAN	Hydroxymethylglutaryl-CoA synthase, mitochondrial (HMG-CoA synthase) (EC 2.3.	508	HMCS2	2	2	2	4.1	56.635
P17096	HMGA1_HUMAN	High mobility group protein HMG-I/HMG-Y (HMG-I(Y)) (High mobility group AT-hoo	107	HMGA1	3	3	3	22.4	11.676
P09429	HMGB1_HUMAN	High mobility group protein B1 (High mobility group protein 1) (HMG-1)	215	HMGB1	10	10	8	37.2	24.893
P26583	HMGB2_HUMAN	High mobility group protein B2 (High mobility group protein 2) (HMG-2)	209	HMGB2	7	7	7	23.4	24.033
O15347	HMGB3_HUMAN	High mobility group protein B3 (High mobility group protein 2a) (HMG-2a) (High mo	200	HMGB3	1	1	1	6.5	22.98
P35914	HMGCL_HUMAN	Hydroxymethylglutaryl-CoA lyase, mitochondrial (HL) (HMG-CoA lyase) (EC 4.1.3.4	325	HMGCL	8	8	8	25.2	34.36
P05114	HMGN1_HUMAN	Non-histone chromosomal protein HMG-14 (High mobility group nucleosome-bindir	100	HMGN1	5	5	5	37	10.659
P05204	HMGN2_HUMAN	Non-histone chromosomal protein HMG-17 (High mobility group nucleosome-bindir	90	HMGN2	5	5	3	47.8	9.3926
Q15651	HMGN3_HUMAN	High mobility group nucleosome-binding domain-containing protein 3 (Thyroid rece	99	HMGN3	4	3	3	27.3	10.666
O00479	HMGN4_HUMAN	High mobility group nucleosome-binding domain-containing protein 4 (Non-histone	90	HMGN4	4	3	3	40	9.5388
P82970	HMGN5_HUMAN	High mobility group nucleosome-binding domain-containing protein 5 (Nucleosome-	282	HMGN5	2	2	2	7.8	31.524
P09601	HMOX1_HUMAN	Heme oxygenase 1 (HO-1) (EC 1.14.14.18)	288	HMOX1	2	2	2	8.7	32.818
P30519	HMOX2_HUMAN	Heme oxygenase 2 (HO-2) (EC 1.14.14.18)	316	HMOX2	5	5	5	23.4	36.032
Q9H910	HN1L_HUMAN	Hematological and neurological expressed 1-like protein (HN1-like protein)	190	HN1L	1	1	1	6.3	20.063
P50135	HNMT_HUMAN	Histamine N-methyltransferase (HMT) (EC 2.1.1.8)	292	HNMT	4	4	4	17.5	33.295
O14979	HNRDL_HUMAN	Heterogeneous nuclear ribonucleoprotein D-like (hnRNP D-like) (hnRNP DL) (AU-r	420	HNRNPDL	8	8	8	20.5	46.437
P31943	HNRH1_HUMAN	Heterogeneous nuclear ribonucleoprotein H (hnRNP H) [Cleaved into: Heterogene	449	HNRNPH1	16	16	6	40.8	49.229
P55795	HNRH2_HUMAN	Heterogeneous nuclear ribonucleoprotein H2 (hnRNP H2) (FTP-3) (Heterogeneous	449	HNRNPH2	13	4	4	33.9	49.263
P31942	HNRH3_HUMAN	Heterogeneous nuclear ribonucleoprotein H3 (hnRNP H3) (Heterogeneous nuclear	346	HNRNPH3	8	7	7	29.8	36.926
Q9BUJ2	HNRL1_HUMAN	Heterogeneous nuclear ribonucleoprotein U-like protein 1 (Adenovirus early region	856	HNRNPUL1	10	10	10	15.1	95.737
Q1KMD3	HNRL2_HUMAN	Heterogeneous nuclear ribonucleoprotein U-like protein 2 (Scaffold-attachment fact	747	HNRNPUL2	18	18	18	29.5	85.104
Q8WVVV9	HNRL3_HUMAN	Heterogeneous nuclear ribonucleoprotein U-like protein 3 (Scaffold-attachment fact	542	HNRNPUL3	4	3	3	8.1	60.082
P07910	HNRPC_HUMAN	Heterogeneous nuclear ribonucleoproteins C1/C2 (hnRNP C1/C2)	306	HNRNPC	15	15	15	36.9	33.67
Q14103	HNRPD_HUMAN	Heterogeneous nuclear ribonucleoprotein D0 (hnRNP D0) (AU-rich element RNA-b	355	HNRNPD	7	7	6	20.8	38.434
P52597	HNRPF_HUMAN	Heterogeneous nuclear ribonucleoprotein F (hnRNP F) (Nucleolin-like protein mcs9	415	HNRNPF	9	7	7	27.5	45.671
P61978	HNRPK_HUMAN	Heterogeneous nuclear ribonucleoprotein K (hnRNP K) (Transformation up-regulat	463	HNRNPK	17	17	17	46	50.976
P14866	HNRPL_HUMAN	Heterogeneous nuclear ribonucleoprotein L (hnRNP L)	589	HNRNPL	15	15	14	34.5	64.132
P52272	HNRPM_HUMAN	Heterogeneous nuclear ribonucleoprotein M (hnRNP M)	730	HNRNPM	28	28	28	37.7	77.515
O60506	HNRPQ_HUMAN	Heterogeneous nuclear ribonucleoprotein Q (hnRNP Q) (Glycine- and tyrosine-rich	623	SYNCRIP	18	18	12	33.2	69.602
O43390	HNRPR_HUMAN	Heterogeneous nuclear ribonucleoprotein R (hnRNP R)	633	HNRNPR	18	12	12	29.5	70.942
Q00839	HNRPU_HUMAN	Heterogeneous nuclear ribonucleoprotein U (hnRNP U) (Scaffold attachment factor	825	HNRNPU	24	24	24	31.9	90.583
Q86VS8	HOOK3_HUMAN	Protein Hook homolog 3 (h-hook3) (hHK3)	718	HOOK3	3	3	3	3.9	83.125
Q86YZ3	HORN_HUMAN	Hornerin	2850	HRNR	6	6	6	9.2	282.39
Q8IWW8	HOT_HUMAN	Hydroxyacid-oxoacid transhydrogenase, mitochondrial (HOT) (EC 1.1.99.24) (Alcol	467	ADHFE1	4	4	4	11.1	50.307
Q5SSJ5	HP1B3_HUMAN	Heterochromatin protein 1-binding protein 3 (Protein HP1-BP74)	553	HP1BP3	12	12	12	21.7	61.206
Q9NZL4	HPBP1_HUMAN	Hsp70-binding protein 1 (HspBP1) (Heat shock protein-binding protein 1) (Hsp70-b	362	HSPBP1	2	2	2	4.7	39.474
P37235	HPCL1_HUMAN	Hippocalcin-like protein 1 (Calcium-binding protein BDR-1) (HLP2) (Visinin-like prot	193	HPCAL1	5	5	2	25.9	22.313
Q9NWWY4	HPF1_HUMAN	Histone PARylation factor 1	346	HPF1	1	1	1	3.2	39.436
Q86UW8	HPLN4_HUMAN	Hyaluronan and proteoglycan link protein 4 (Brain link protein 2)	402	HAPLN4	1	1	1	2.7	42.801
P00492	HPRT_HUMAN	Hypoxanthine-guanine phosphoribosyltransferase (HGPRT) (HGPRTase) (EC 2.4.1.	218	HPRT1	5	5	5	30.7	24.579
P00738	HPT_HUMAN	Haptoglobin (Zonulin) [Cleaved into: Haptoglobin alpha chain; Haptoglobin beta cha	406	HP	26	26	12	55.7	45.205
P00739	HPTR_HUMAN	Haptoglobin-related protein	348	HPR	16	2	2	37.9	39.029
P04196	HRG_HUMAN	Histidine-rich glycoprotein (Histidine-proline-rich glycoprotein) (HPRG)	525	HRG	9	9	9	19.2	59.578
Q92598	HS105_HUMAN	Heat shock protein 105 kDa (Antigen NY-CO-25) (Heat shock 110 kDa protein)	858	HSPH1	9	9	9	12.7	96.864
O43301	HS12A_HUMAN	Heat shock 70 kDa protein 12A	675	HSPA12A	16	16	15	28.6	74.977
Q96MM6	HS12B_HUMAN	Heat shock 70 kDa protein 12B	686	HSPA12B	13	13	13	24.9	75.687
P0DMV9	HS71B_HUMAN	Heat shock 70 kDa protein 1B (Heat shock 70 kDa protein 2) (HSP70-2) (HSP70.2)	641	HSPA1B	36	36	15	63.7	70.051
P07900	HS90A_HUMAN	Heat shock protein HSP 90-alpha (Heat shock 86 kDa) (HSP 86) (HSP86) (Lipopol	732	HSP90AA1	37	22	22	45.2	84.659
P08238	HS90B_HUMAN	Heat shock protein HSP 90-beta (HSP 90) (Heat shock 84 kDa) (HSP 84) (HSP84)	724	HSP90AB1	38	38	21	53.9	83.263
Q6YN16	HSDL2_HUMAN	Hydroxysteroid dehydrogenase-like protein 2 (EC 1.-.-.-) (Short chain dehydrogena	418	HSDL2	13	13	13	31.3	45.394
P54652	HSP72_HUMAN	Heat shock-related 70 kDa protein 2 (Heat shock 70 kDa protein 2)	639	HSPA2	24	12	10	42.4	70.02

P34932	HSP74_HUMAN	Heat shock 70 kDa protein 4 (HSP70RY) (Heat shock 70-related protein APG-2)	840 HSPA4	26	26	26	39	94.33
P17066	HSP76_HUMAN	Heat shock 70 kDa protein 6 (Heat shock 70 kDa protein B')	643 HSPA6	11	1	1	16.8	71.027
P11142	HSP7C_HUMAN	Heat shock cognate 71 kDa protein (Heat shock 70 kDa protein 8) (Lipopolysaccha	646 HSPA8	35	31	22	61.6	70.897
P04792	HSPB1_HUMAN	Heat shock protein beta-1 (HspB1) (28 kDa heat shock protein) (Estrogen-regulate	205 HSPB1	13	13	13	75.6	22.782
O14558	HSPB6_HUMAN	Heat shock protein beta-6 (HspB6) (Heat shock 20 kDa-like protein p20)	160 HSPB6	7	7	7	53.1	17.135
Q9UBY9	HSPB7_HUMAN	Heat shock protein beta-7 (HspB7) (Cardiovascular heat shock protein) (cvHsp)	170 HSPB7	2	2	2	12.9	18.61
Q9UJY1	HSPB8_HUMAN	Heat shock protein beta-8 (HspB8) (Alpha-crystallin C chain) (E2-induced gene 1 p	196 HSPB8	3	3	3	10.2	21.604
Q86XA9	HTR5A_HUMAN	HEAT repeat-containing protein 5A	2040 HEATR5A	1	1	1	0.8	222
Q92743	HTRA1_HUMAN	Serine protease HTRA1 (EC 3.4.21.-) (High-temperature requirement A serine pept	480 HTRA1	3	3	3	5.8	51.286
O43464	HTRA2_HUMAN	Serine protease HTRA2, mitochondrial (EC 3.4.21.108) (High temperature requiren	458 HTRA2	2	2	2	5.9	48.84
O43719	HTSF1_HUMAN	HIV Tat-specific factor 1 (Tat-SF1)	755 HTATSF1	4	4	4	5.7	85.852
Q8TDB4	HUMMR_HUMAN	Protein MGARP (Corneal endothelium-specific protein 1) (CESP-1) (Hypoxia up-reg	240 MGARP	2	2	2	7.5	25.389
Q7Z627	HUWE1_HUMAN	E3 ubiquitin-protein ligase HUWE1 (EC 2.3.2.26) (ARF-binding protein 1) (ARF-BP	4374 HUWE1	25	25	25	7	481.89
P23083	HV102_HUMAN	Immunoglobulin heavy variable 1-2 (Ig heavy chain V-I region ND) (Ig heavy chain '	117 IGHV1-2	2	1	1	17.1	13.085
A0A0C4DH3	HV118_HUMAN	Immunoglobulin heavy variable 1-18	117 IGHV1-18	2	1	1	20.5	12.82
P01743	HV146_HUMAN	Immunoglobulin heavy variable 1-46 (Ig heavy chain V-I region DOT) (Ig heavy cha	117 IGHV1-46	3	3	1	28.2	12.933
P01780	HV307_HUMAN	Immunoglobulin heavy variable 3-7 (Ig heavy chain V-III region GAL) (Ig heavy cha	117 IGHV3-7	3	3	2	23.1	12.943
P01782	HV309_HUMAN	Immunoglobulin heavy variable 3-9 (Ig heavy chain V-III region DOB)	118 IGHV3-9	1	1	1	9.3	12.945
A0A0B4J1V0	HV315_HUMAN	Immunoglobulin heavy variable 3-15	119 IGHV3-15	3	3	3	18.5	12.926
P01768	HV330_HUMAN	Immunoglobulin heavy variable 3-30 (Ig heavy chain V-III region BUR) (Ig heavy ch	117 IGHV3-30	3	3	2	28.2	12.947
A0A0B4J1X8	HV343_HUMAN	Immunoglobulin heavy variable 3-43	118 IGHV3-43	1	1	1	9.3	13.077
A0A0B4J1X5	HV374_HUMAN	Immunoglobulin heavy variable 3-74	117 IGHV3-74	2	1	1	22.2	12.839
A0A075B6R2	HV404_HUMAN	Immunoglobulin heavy variable 4-4	117 IGHV4-4	2	2	2	19.7	12.848
A0A0C4DH3	HV428_HUMAN	Immunoglobulin heavy variable 4-28	117 IGHV4-28	1	1	1	7.7	13.124
A0A0C4DH3	HV551_HUMAN	Immunoglobulin heavy variable 5-51	117 IGHV5-51	3	3	3	35.9	12.674
P19367	HXK1_HUMAN	Hexokinase-1 (EC 2.7.1.1) (Brain form hexokinase) (Hexokinase type I) (HK I)	917 HK1	31	31	31	35.6	102.48
P52789	HXK2_HUMAN	Hexokinase-2 (EC 2.7.1.1) (Hexokinase type II) (HK II) (Muscle form hexokinase)	917 HK2	9	9	8	12.3	102.38
P52790	HXK3_HUMAN	Hexokinase-3 (EC 2.7.1.1) (Hexokinase type III) (HK III)	923 HK3	4	3	3	5.7	99.024
Q9BY13	HYCCI_HUMAN	Hyccin (Down-regulated by CTNNB1 protein A) (Protein FAM126A)	521 FAM126A	1	1	1	2.1	57.625
P07099	HYEP_HUMAN	Epoxide hydrolase 1 (EC 3.3.2.9) (Epoxide hydratase) (Microsomal epoxide hydrok	455 EPHX1	15	15	15	41.8	52.948
P34913	HYES_HUMAN	Bifunctional epoxide hydrolase 2 [Includes: Cytosolic epoxide hydrolase 2 (CEH) (E	555 EPHX2	3	3	3	7.7	62.615
Q5T013	HYI_HUMAN	Putative hydroxypyruvate isomerase (EC 5.3.1.22) (Endothelial cell apoptosis prote	277 HYI	3	3	3	14.4	30.405
Q9Y4L1	HYOU1_HUMAN	Hypoxia up-regulated protein 1 (150 kDa oxygen-regulated protein) (ORP-150) (17)	999 HYOU1	15	15	14	20.1	111.33
Q8IU81	I2BP1_HUMAN	Interferon regulatory factor 2-binding protein 1 (IRF-2-binding protein 1) (IRF-2BP1	584 IRF2BP1	1	1	1	1.9	61.687
Q7Z5L9	I2BP2_HUMAN	Interferon regulatory factor 2-binding protein 2 (IRF-2-binding protein 2) (IRF-2BP2)	587 IRF2BP2	2	2	2	5.5	61.024
Q9H1B7	I2BPL_HUMAN	Interferon regulatory factor 2-binding protein-like (Enhanced at puberty protein 1)	796 IRF2BPL	1	1	1	1.6	82.658
Q14642	I5P1_HUMAN	Type I inositol 1,4,5-trisphosphate 5-phosphatase (5PTase) (EC 3.1.3.56)	412 INPP5A	4	4	4	8	47.819
Q2TAA2	IAH1_HUMAN	Isoamyl acetate-hydrolyzing esterase 1 homolog (EC 3.1.-.-)	248 IAH1	2	2	2	16.5	27.598
P18065	IBP2_HUMAN	Insulin-like growth factor-binding protein 2 (IBP-2) (IGF-binding protein 2) (IGFBP-2	325 IGFBP2	2	2	2	8.6	34.814
P17936	IBP3_HUMAN	Insulin-like growth factor-binding protein 3 (IBP-3) (IGF-binding protein 3) (IGFBP-3	291 IGFBP3	4	4	4	23	31.674
P22692	IBP4_HUMAN	Insulin-like growth factor-binding protein 4 (IBP-4) (IGF-binding protein 4) (IGFBP-4	258 IGFBP4	2	2	2	9.7	27.934
P24593	IBP5_HUMAN	Insulin-like growth factor-binding protein 5 (IBP-5) (IGF-binding protein 5) (IGFBP-5	272 IGFBP5	1	1	1	3.3	30.57
P24592	IBP6_HUMAN	Insulin-like growth factor-binding protein 6 (IBP-6) (IGF-binding protein 6) (IGFBP-6	240 IGFBP6	4	4	4	25.4	25.322
Q16270	IBP7_HUMAN	Insulin-like growth factor-binding protein 7 (IBP-7) (IGF-binding protein 7) (IGFBP-7	282 IGFBP7	7	7	7	32.3	29.13
P05155	IC1_HUMAN	Plasma protease C1 inhibitor (C1 Inh) (C1Inh) (C1 esterase inhibitor) (C1-inhibiting	500 SERPING1	11	11	11	25	55.154
P20810	ICAL_HUMAN	Calpastatin (Calpain inhibitor) (Sperm BS-17 component)	708 CAST	20	20	20	35	76.572
P05362	ICAM1_HUMAN	Intercellular adhesion molecule 1 (ICAM-1) (Major group rhinovirus receptor) (CD a	532 ICAM1	3	3	3	6.6	57.825
P54105	ICLN_HUMAN	Methylosome subunit piCln (Chloride channel, nucleotide sensitive 1A) (Chloride c	237 CLNS1A	1	1	1	5.5	26.215
P14735	IDE_HUMAN	Insulin-degrading enzyme (EC 3.4.24.56) (Abeta-degrading protease) (Insulin prote	1019 IDE	3	3	3	2.7	117.97
P50213	IDH3A_HUMAN	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial (EC 1.1.1.41) (Isocitri	366 IDH3A	11	11	11	30.9	39.591
O43837	IDH3B_HUMAN	Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial (EC 1.1.1.41) (Isocitric	385 IDH3B	7	7	7	19	42.183
P51553	IDH3G_HUMAN	Isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial (EC 1.1.1.41) (Isoci	393 IDH3G	4	4	4	8.9	42.794

O75874	IDHC_HUMAN	Isocitrate dehydrogenase [NADP] cytoplasmic (IDH) (EC 1.1.1.42) (Cytosolic NADP	414 IDH1	23	23	22	62.6	46.659
P48735	IDHP_HUMAN	Isocitrate dehydrogenase [NADP], mitochondrial (IDH) (EC 1.1.1.42) (ICD-M) (IDP)	452 IDH2	17	16	16	36.3	50.909
P35475	IDUA_HUMAN	Alpha-L-iduronidase (EC 3.2.1.76)	653 IDUA	1	1	1	1.5	72.669
Q16666	IF16_HUMAN	Gamma-interferon-inducible protein 16 (Ii-16) (Interferon-inducible myeloid differen	785 IFI16	16	16	16	23.8	88.255
P47813	IF1AX_HUMAN	Eukaryotic translation initiation factor 1A, X-chromosomal (eIF-1A X isoform) (Euka	144 EIF1AX	5	5	5	29.9	16.46
P05198	IF2A_HUMAN	Eukaryotic translation initiation factor 2 subunit 1 (Eukaryotic translation initiation fa	315 EIF2S1	6	6	6	19.7	36.112
P20042	IF2B_HUMAN	Eukaryotic translation initiation factor 2 subunit 2 (Eukaryotic translation initiation fa	333 EIF2S2	8	8	8	23.4	38.388
P41091	IF2G_HUMAN	Eukaryotic translation initiation factor 2 subunit 3 (Eukaryotic translation initiation fa	472 EIF2S3	12	12	12	30.5	51.109
O60841	IF2P_HUMAN	Eukaryotic translation initiation factor 5B (eIF-5B) (EC 3.6.5.3) (Translation initiati	1220 EIF5B	6	6	6	6.9	138.83
P60842	IF4A1_HUMAN	Eukaryotic initiation factor 4A-I (eIF-4A-I) (eIF4A-I) (EC 3.6.4.13) (ATP-dependent f	406 EIF4A1	17	17	8	50	46.153
Q14240	IF4A2_HUMAN	Eukaryotic initiation factor 4A-II (eIF-4A-II) (eIF4A-II) (EC 3.6.4.13) (ATP-dependen	407 EIF4A2	14	5	5	38.3	46.402
P38919	IF4A3_HUMAN	Eukaryotic initiation factor 4A-III (eIF-4A-III) (eIF4A-III) (EC 3.6.4.13) (ATP-depende	411 EIF4A3	11	8	7	29.4	46.871
P23588	IF4B_HUMAN	Eukaryotic translation initiation factor 4B (eIF-4B)	611 EIF4B	9	9	9	17.7	69.15
P06730	IF4E_HUMAN	Eukaryotic translation initiation factor 4E (eIF-4E) (eIF4E) (eIF-4F 25 kDa subunit) (	217 EIF4E	5	5	4	36.4	25.097
O60573	IF4E2_HUMAN	Eukaryotic translation initiation factor 4E type 2 (eIF-4E type 2) (eIF4E type 2) (Euk	245 EIF4E2	2	2	2	6.9	28.362
Q04637	IF4G1_HUMAN	Eukaryotic translation initiation factor 4 gamma 1 (eIF-4-gamma 1) (eIF-4G 1) (eIF-	1599 EIF4G1	23	23	20	15.6	175.49
P78344	IF4G2_HUMAN	Eukaryotic translation initiation factor 4 gamma 2 (eIF-4-gamma 2) (eIF-4G 2) (eIF4	907 EIF4G2	7	7	7	7.6	102.36
O43432	IF4G3_HUMAN	Eukaryotic translation initiation factor 4 gamma 3 (eIF-4-gamma 3) (eIF-4G 3) (eIF4	1585 EIF4G3	4	1	1	3	176.65
Q15056	IF4H_HUMAN	Eukaryotic translation initiation factor 4H (eIF-4H) (Williams-Beuren syndrome chro	248 EIF4H	8	8	8	29.8	27.385
P55010	IF5_HUMAN	Eukaryotic translation initiation factor 5 (eIF-5)	431 EIF5	5	5	5	13	49.222
P63241	IF5A1_HUMAN	Eukaryotic translation initiation factor 5A-1 (eIF-5A-1) (eIF-5A1) (Eukaryotic initiatio	154 EIF5A	10	10	10	66.9	16.832
P56537	IF6_HUMAN	Eukaryotic translation initiation factor 6 (eIF-6) (B(2)GCN homolog) (B4 integrin inte	245 EIF6	5	5	5	31.8	26.599
P09914	IFIT1_HUMAN	Interferon-induced protein with tetratricopeptide repeats 1 (IFIT-1) (Interferon-induc	478 IFIT1	8	8	8	20.9	55.36
P09913	IFIT2_HUMAN	Interferon-induced protein with tetratricopeptide repeats 2 (IFIT-2) (ISG-54 K) (Inter	472 IFIT2	3	3	3	7.4	54.632
O14879	IFIT3_HUMAN	Interferon-induced protein with tetratricopeptide repeats 3 (IFIT-3) (CIG49) (ISG-60	490 IFIT3	6	6	6	16.5	55.984
Q13325	IFIT5_HUMAN	Interferon-induced protein with tetratricopeptide repeats 5 (IFIT-5) (Interferon-induc	482 IFIT5	2	2	2	3.3	55.846
P13164	IFM1_HUMAN	Interferon-induced transmembrane protein 1 (Dispanin subfamily A member 2a) (D:	125 IFITM1	1	1	1	12.8	13.964
O00458	IFRD1_HUMAN	Interferon-related developmental regulator 1 (Nerve growth factor-inducible protein	451 IFRD1	1	1	1	1.8	50.268
Q9BW83	IFT27_HUMAN	Intraflagellar transport protein 27 homolog (Putative GTP-binding protein RAY-like)	186 IFT27	2	2	2	19.9	20.48
P78318	IGBP1_HUMAN	Immunoglobulin-binding protein 1 (B-cell signal transduction molecule alpha 4) (Prc	339 IGBP1	4	4	4	11.2	39.221
P01344	IGF2_HUMAN	Insulin-like growth factor II (IGF-II) (Somatomedin-A) (T3M-11-derived growth facto	180 IGF2	1	1	1	5	20.14
P01876	IGHA1_HUMAN	Ig alpha-1 chain C region	353 IGHA1	15	15	6	62.6	37.654
P01877	IGHA2_HUMAN	Ig alpha-2 chain C region	340 IGHA2	12	3	3	55.9	36.526
P01880	IGHD_HUMAN	Ig delta chain C region	384 IGHD	6	6	6	20.1	42.253
P01857	IGHG1_HUMAN	Ig gamma-1 chain C region	330 IGHG1	12	12	5	49.1	36.105
P01859	IGHG2_HUMAN	Ig gamma-2 chain C region	326 IGHG2	10	4	3	39.6	35.9
P01860	IGHG3_HUMAN	Ig gamma-3 chain C region (HDC) (Heavy chain disease protein)	377 IGHG3	11	6	4	37.7	41.287
P01861	IGHG4_HUMAN	Ig gamma-4 chain C region	327 IGHG4	9	4	4	36.7	35.94
P01871	IGHM_HUMAN	Ig mu chain C region	452 IGHM	17	17	8	40	49.306
P01591	IGJ_HUMAN	Immunoglobulin J chain (Joining chain of multimeric IgA and IgM)	159 JCHAIN	3	3	3	20.8	18.098
P01834	IGKC_HUMAN	Ig kappa chain C region	106 IGKC	6	6	6	80.2	11.609
B9A064	IGLL5_HUMAN	Immunoglobulin lambda-like polypeptide 5 (G lambda-1) (Germline immunoglobulin	214 IGLL5	8	8	3	47.7	23.063
Q969P0	IGSF8_HUMAN	Immunoglobulin superfamily member 8 (IgSF8) (CD81 partner 3) (Glu-Trp-Ile EWI r	613 IGSF8	1	1	1	1.5	65.033
Q70UQ0	IKIP_HUMAN	Inhibitor of nuclear factor kappa-B kinase-interacting protein (I kappa-B kinase-inter	350 IKBIP	3	3	3	8.3	39.309
Q14005	IL16_HUMAN	Pro-interleukin-16 [Cleaved into: Interleukin-16 (IL-16) (Lymphocyte chemoattractant	1332 IL16	2	2	2	2.6	141.75
Q14116	IL18_HUMAN	Interleukin-18 (IL-18) (Ibctadekin) (Interferon gamma-inducing factor) (IFN-gamma	193 IL18	2	2	2	8.8	22.326
O95760	IL33_HUMAN	Interleukin-33 (IL-33) (Interleukin-1 family member 11) (IL-1F11) (Nuclear factor fro	270 IL33	2	2	2	8.5	30.759
P40189	IL6RB_HUMAN	Interleukin-6 receptor subunit beta (IL-6 receptor subunit beta) (IL-6R subunit beta)	918 IL6ST	3	3	3	3.8	103.54
P30740	ILEU_HUMAN	Leukocyte elastase inhibitor (LEI) (Monocyte/neutrophil elastase inhibitor) (EI) (M/N	379 SERPINB1	10	10	10	30.9	42.741
Q12905	ILF2_HUMAN	Interleukin enhancer-binding factor 2 (Nuclear factor of activated T-cells 45 kDa)	390 ILF2	8	8	8	30.5	43.062
Q12906	ILF3_HUMAN	Interleukin enhancer-binding factor 3 (Double-stranded RNA-binding protein 76) (D	894 ILF3	18	18	18	22	95.337
Q13418	ILK_HUMAN	Integrin-linked protein kinase (EC 2.7.11.1) (59 kDa serine/threonine-protein kinase	452 ILK	18	18	18	37.4	51.419

Q9H0C8	ILKAP_HUMAN	Integrin-linked kinase-associated serine/threonine phosphatase 2C (ILKAP) (EC 3.1.3.48)	392	ILKAP	1	1	1	2	42.906
A1L0T0	ILVBL_HUMAN	Acetolactate synthase-like protein (EC 2.2.1.-) (IlvB-like protein)	632	ILVBL	6	6	6	12.2	67.867
O00629	IMA3_HUMAN	Importin subunit alpha-3 (Importin alpha Q1) (Qip1) (Karyopherin subunit alpha-4)	521	KPNA4	5	1	1	9.8	57.886
O00505	IMA4_HUMAN	Importin subunit alpha-4 (Importin alpha Q2) (Qip2) (Karyopherin subunit alpha-3) (	521	KPNA3	8	8	4	21.3	57.81
P52294	IMA5_HUMAN	Importin subunit alpha-5 (Karyopherin subunit alpha-1) (Nucleoprotein interactor 1)	538	KPNA1	5	2	2	11.3	60.221
O60684	IMA7_HUMAN	Importin subunit alpha-7 (Karyopherin subunit alpha-6)	536	KPNA6	7	7	4	18.1	60.029
Q14974	IMB1_HUMAN	Importin subunit beta-1 (Importin-90) (Karyopherin subunit beta-1) (Nuclear factor p	876	KPNB1	18	18	18	27.1	97.169
P12268	IMDH2_HUMAN	Inosine-5'-monophosphate dehydrogenase 2 (IMP dehydrogenase 2) (IMPD 2) (IMD	514	IMPDH2	8	8	8	18.5	55.804
P29218	IMPA1_HUMAN	Inositol monophosphatase 1 (IMP 1) (IMPase 1) (EC 3.1.3.25) (D-galactose 1-phos	277	IMPA1	4	4	4	16.6	30.188
Q9NX62	IMPA3_HUMAN	Inositol monophosphatase 3 (IMP 3) (IMPase 3) (EC 3.1.3.25) (EC 3.1.3.7) (Golgi s	359	IMPAD1	1	1	1	1.9	38.681
Q9P2X3	IMPCT_HUMAN	Protein IMPACT (Imprinted and ancient gene protein homolog)	320	IMPACT	1	1	1	3.4	36.476
Q9GZP8	IMUP_HUMAN	Immortalization up-regulated protein (Hepatocyte growth factor activator inhibitor ty	106	IMUP	1	1	1	9.4	10.897
P80217	IN35_HUMAN	Interferon-induced 35 kDa protein (IFP 35) (Ifi-35)	286	IFI35	2	2	2	9.8	31.546
Q27J81	INF2_HUMAN	Inverted formin-2 (HBEBP2-binding protein C)	1249	INF2	14	14	14	17.4	135.62
O95050	INMT_HUMAN	Indolethylamine N-methyltransferase (Indolamine N-methyltransferase) (EC 2.1.1.4	263	INMT	2	2	2	6.8	28.891
Q9NPH2	INO1_HUMAN	Inositol-3-phosphate synthase 1 (IPS 1) (EC 5.5.1.4) (Myo-inositol 1-phosphate syr	558	ISYNA1	4	4	4	7.7	61.067
Q9BT40	INP5K_HUMAN	Inositol polyphosphate 5-phosphatase K (EC 3.1.3.56) (Skeletal muscle and kidney	448	INPP5K	1	1	1	2.5	51.09
P49441	INPP_HUMAN	Inositol polyphosphate 1-phosphatase (IPP) (IPPase) (EC 3.1.3.57)	399	INPP1	1	1	1	3	43.998
Q8N201	INT1_HUMAN	Integrator complex subunit 1 (Int1)	2190	INTS1	1	1	1	0.7	244.29
Q68E01	INT3_HUMAN	Integrator complex subunit 3 (Int3) (SOSS complex subunit A) (Sensor of single-str	1043	INTS3	1	1	1	2.7	118.07
Q75QN2	INT8_HUMAN	Integrator complex subunit 8 (Int8) (Protein kaonashi-1)	995	INTS8	1	1	1	1.5	113.09
O00410	IPO5_HUMAN	Importin-5 (Imp5) (Importin subunit beta-3) (Karyopherin beta-3) (Ran-binding prote	1097	IPO5	15	15	14	16.3	123.63
Q95373	IPO7_HUMAN	Importin-7 (Imp7) (Ran-binding protein 7) (RanBP7)	1038	IPO7	7	7	7	9.8	119.52
Q96P70	IPO9_HUMAN	Importin-9 (Imp9) (Ran-binding protein 9) (RanBP9)	1041	IPO9	4	4	3	5.1	115.96
Q6NXS1	IPP2M_HUMAN	Protein phosphatase inhibitor 2-like protein 3 (Protein phosphatase 1, regulatory su	205	PPP1R2P3	1	1	1	7.3	23.048
P05154	IPSP_HUMAN	Plasma serine protease inhibitor (Acrosomal serine protease inhibitor) (Plasminoge	406	SERPINA5	3	3	3	8.6	45.674
Q15181	IPYR_HUMAN	Inorganic pyrophosphatase (EC 3.6.1.1) (Pyrophosphate phospho-hydrolase) (PPa	289	PPA1	14	14	14	64	32.66
Q9H2U2	IPYR2_HUMAN	Inorganic pyrophosphatase 2, mitochondrial (EC 3.6.1.1) (Pyrophosphatase SID6-3	334	PPA2	9	9	9	37.1	37.92
P46940	IQGA1_HUMAN	Ras GTPase-activating-like protein IQGAP1 (p195)	1657	IQGAP1	57	57	57	43	189.25
Q13576	IQGA2_HUMAN	Ras GTPase-activating-like protein IQGAP2	1575	IQGAP2	17	17	17	14.6	180.58
Q9Y5U9	IR3IP_HUMAN	Immediate early response 3-interacting protein 1	82	IER3IP1	1	1	1	24.4	8.9687
Q00978	IRF9_HUMAN	Interferon regulatory factor 9 (IRF-9) (IFN-alpha-responsive transcription factor sub	393	IRF9	1	1	1	4.3	43.696
Q8WZA9	IRGQ_HUMAN	Immunity-related GTPase family Q protein	623	IRGQ	2	2	2	3.2	62.717
Q9H1K1	ISCU_HUMAN	Iron-sulfur cluster assembly enzyme ISCU, mitochondrial (NifU-like N-terminal dom	167	ISCU	2	2	2	10.2	17.999
P05161	ISG15_HUMAN	Ubiquitin-like protein ISG15 (Interferon-induced 15 kDa protein) (Interferon-induced	165	ISG15	1	1	1	7.9	17.887
Q96AZ6	ISG20_HUMAN	Interferon-stimulated gene 20 kDa protein (EC 3.1.13.1) (Estrogen-regulated transc	181	ISG20	1	1	1	6.6	20.363
O14498	ISLR_HUMAN	Immunoglobulin superfamily containing leucine-rich repeat protein	428	ISLR	1	1	1	1.9	45.997
Q96CN7	ISOC1_HUMAN	Isochorismatase domain-containing protein 1	298	ISOC1	2	2	2	6	32.236
Q96AB3	ISOC2_HUMAN	Isochorismatase domain-containing protein 2	205	ISOC2	2	2	2	16.6	22.337
P53990	IST1_HUMAN	IST1 homolog (hIST1) (Putative MAPK-activating protein PM28)	364	IST1	5	5	5	14.6	39.75
P56199	ITA1_HUMAN	Integrin alpha-1 (CD49 antigen-like family member A) (Laminin and collagen recept	1179	ITGA1	20	20	20	18	130.85
P17301	ITA2_HUMAN	Integrin alpha-2 (CD49 antigen-like family member B) (Collagen receptor) (Platelet	1181	ITGA2	1	1	1	1.2	129.29
P26006	ITA3_HUMAN	Integrin alpha-3 (CD49 antigen-like family member C) (FRP-2) (Galactoprotein B3)	1051	ITGA3	7	7	7	7.5	116.61
P08648	ITA5_HUMAN	Integrin alpha-5 (CD49 antigen-like family member E) (Fibronectin receptor subunit	1049	ITGA5	4	4	4	5.1	114.54
P23229	ITA6_HUMAN	Integrin alpha-6 (CD49 antigen-like family member F) (VLA-6) (CD antigen CD49f)	1130	ITGA6	9	9	9	11	126.6
Q13683	ITA7_HUMAN	Integrin alpha-7 [Cleaved into: Integrin alpha-7 heavy chain; Integrin alpha-7 light c	1181	ITGA7	23	23	23	24.8	128.95
P53708	ITA8_HUMAN	Integrin alpha-8 [Cleaved into: Integrin alpha-8 heavy chain; Integrin alpha-8 light c	1063	ITGA8	3	3	3	3.1	117.47
Q13797	ITA9_HUMAN	Integrin alpha-9 (Integrin alpha-RLC)	1035	ITGA9	1	1	1	0.7	114.49
P11215	ITAM_HUMAN	Integrin alpha-M (CD11 antigen-like family member B) (CR-3 alpha chain) (Cell sur	1152	ITGAM	3	3	3	3.3	127.18
P06756	ITAV_HUMAN	Integrin alpha-V (Vitronectin receptor subunit alpha) (CD antigen CD51) [Cleaved ir	1048	ITGAV	11	11	11	11.2	116.04
P05556	ITB1_HUMAN	Integrin beta-1 (Fibronectin receptor subunit beta) (Glycoprotein IIa) (GPIIa) (VLA-2	798	ITGB1	21	21	21	25.9	88.414
P05107	ITB2_HUMAN	Integrin beta-2 (Cell surface adhesion glycoproteins LFA-1/CR3/p150,95 subunit be	769	ITGB2	5	5	5	8.2	84.781

P05106	ITB3_HUMAN	Integrin beta-3 (Platelet membrane glycoprotein IIIa) (GPIIIa) (CD antigen CD61)	788	ITGB3	6	6	6	8.6	87.057
P16144	ITB4_HUMAN	Integrin beta-4 (GP150) (CD antigen CD104)	1822	ITGB4	15	15	15	10.3	202.16
P18084	ITB5_HUMAN	Integrin beta-5	799	ITGB5	5	5	5	7.6	88.053
P18564	ITB6_HUMAN	Integrin beta-6	788	ITGB6	1	1	1	1.1	85.935
Q96J02	ITCH_HUMAN	E3 ubiquitin-protein ligase Itchy homolog (Itch) (EC 2.3.2.26) (Atrophia-1-interacting	903	ITCH	1	1	1	1.9	102.8
P19827	ITIH1_HUMAN	Inter-alpha-trypsin inhibitor heavy chain H1 (ITI heavy chain H1) (ITI-HC1) (Inter-alf	911	ITIH1	13	13	13	19.5	101.39
P19823	ITIH2_HUMAN	Inter-alpha-trypsin inhibitor heavy chain H2 (ITI heavy chain H2) (ITI-HC2) (Inter-alf	946	ITIH2	25	25	25	30	106.46
Q06033	ITIH3_HUMAN	Inter-alpha-trypsin inhibitor heavy chain H3 (ITI heavy chain H3) (ITI-HC3) (Inter-alf	890	ITIH3	7	7	7	10	99.848
Q14624	ITIH4_HUMAN	Inter-alpha-trypsin inhibitor heavy chain H4 (ITI heavy chain H4) (ITI-HC4) (Inter-alf	930	ITIH4	19	19	19	25.1	103.36
Q86UX2	ITIH5_HUMAN	Inter-alpha-trypsin inhibitor heavy chain H5 (ITI heavy chain H5) (ITI-HC5) (Inter-alf	942	ITIH5	13	13	13	15.1	104.58
Q8WWA0	ITLN1_HUMAN	Intelectin-1 (ITLN-1) (Endothelial lectin HL-1) (Galactofuranose-binding lectin) (Inte	313	ITLN1	9	9	9	35.1	34.961
Q9BY32	ITPA_HUMAN	Inosine triphosphate pyrophosphatase (ITPase) (Inosine triphosphatase) (EC 3.6.1	194	ITPA	2	2	1	13.9	21.445
Q14643	ITPR1_HUMAN	Inositol 1,4,5-trisphosphate receptor type 1 (IP3 receptor isoform 1) (IP3R 1) (InsP3	2758	ITPR1	13	13	10	5.1	313.93
Q14571	ITPR2_HUMAN	Inositol 1,4,5-trisphosphate receptor type 2 (IP3 receptor isoform 2) (IP3R 2) (InsP3	2701	ITPR2	6	3	3	2	308.06
Q15811	ITSN1_HUMAN	Intersectin-1 (SH3 domain-containing protein 1A) (SH3P17)	1721	ITSN1	7	7	2	4.3	195.42
P26440	IVD_HUMAN	Isovaleryl-CoA dehydrogenase, mitochondrial (IVD) (EC 1.3.8.4)	423	IVD	5	5	5	13.5	46.319
Q96ST2	IWS1_HUMAN	Protein IWS1 homolog (IWS1-like protein)	819	IWS1	2	2	2	4	91.954
Q8N5M9	JAGN1_HUMAN	Protein jagunal homolog 1	183	JAGN1	1	1	1	6.6	21.125
P23458	JAK1_HUMAN	Tyrosine-protein kinase JAK1 (EC 2.7.10.2) (Janus kinase 1) (JAK-1)	1154	JAK1	2	2	2	2.2	133.28
Q9Y624	JAM1_HUMAN	Junctional adhesion molecule A (JAM-A) (Junctional adhesion molecule 1) (JAM-1)	299	F11R	3	3	3	13	32.583
Q9BX67	JAM3_HUMAN	Junctional adhesion molecule C (JAM-C) (JAM-2) (Junctional adhesion molecule 3)	310	JAM3	1	1	1	4.8	35.02
O60271	JIP4_HUMAN	C-Jun-amino-terminal kinase-interacting protein 4 (JIP-4) (JNK-interacting protein 4	1321	SPAG9	9	9	9	8.3	146.2
Q9BR39	JPH2_HUMAN	Junctophilin-2 (JP-2) (Junctophilin type 2)	696	JPH2	1	1	1	1.4	74.221
Q96AT1	K1143_HUMAN	Uncharacterized protein KIAA1143	154	KIAA1143	1	1	1	7.1	17.465
Q9P260	K1468_HUMAN	LisH domain and HEAT repeat-containing protein KIAA1468	1216	KIAA1468	1	1	1	0.6	134.63
Q9BY89	K1671_HUMAN	Uncharacterized protein KIAA1671	1806	KIAA1671	3	3	3	2	196.71
P13645	K1C10_HUMAN	Keratin, type I cytoskeletal 10 (Cytokeratin-10) (CK-10) (Keratin-10) (K10)	584	KRT10	36	34	29	63	58.826
P02533	K1C14_HUMAN	Keratin, type I cytoskeletal 14 (Cytokeratin-14) (CK-14) (Keratin-14) (K14)	472	KRT14	25	16	6	48.3	51.561
P08779	K1C16_HUMAN	Keratin, type I cytoskeletal 16 (Cytokeratin-16) (CK-16) (Keratin-16) (K16)	473	KRT16	23	9	9	50.7	51.267
Q04695	K1C17_HUMAN	Keratin, type I cytoskeletal 17 (39.1) (Cytokeratin-17) (CK-17) (Keratin-17) (K17)	432	KRT17	17	4	2	32.4	48.105
P05783	K1C18_HUMAN	Keratin, type I cytoskeletal 18 (Cell proliferation-inducing gene 46 protein) (Cytoker	430	KRT18	27	25	16	58.1	48.057
P08727	K1C19_HUMAN	Keratin, type I cytoskeletal 19 (Cytokeratin-19) (CK-19) (Keratin-19) (K19)	400	KRT19	38	1	1	88	44.105
P35527	K1C9_HUMAN	Keratin, type I cytoskeletal 9 (Cytokeratin-9) (CK-9) (Keratin-9) (K9)	623	KRT9	32	31	31	58.6	62.064
Q15323	K1H1_HUMAN	Keratin, type I cuticular Ha1 (Hair keratin, type I Ha1) (Keratin-31) (K31)	416	KRT31	6	4	3	14.4	47.237
P35908	K22E_HUMAN	Keratin, type II cytoskeletal 2 epidermal (Cytokeratin-2e) (CK-2e) (Epithelial keratin	639	KRT2	42	37	29	71.7	65.432
P04264	K2C1_HUMAN	Keratin, type II cytoskeletal 1 (67 kDa cytokeatin) (Cytokeratin-1) (CK-1) (Hair alph	644	KRT1	45	1	1	57	66.038
Q7Z794	K2C1B_HUMAN	Keratin, type II cytoskeletal 1b (Cytokeratin-1B) (CK-1B) (Keratin-77) (K77) (Type-II	578	KRT77	7	3	2	10.7	61.901
P13647	K2C5_HUMAN	Keratin, type II cytoskeletal 5 (58 kDa cytokeatin) (Cytokeratin-5) (CK-5) (Keratin-5	590	KRT5	32	23	6	45.1	62.378
P02538	K2C6A_HUMAN	Keratin, type II cytoskeletal 6A (Cytokeratin-6A) (CK-6A) (Cytokeratin-6D) (CK-6D)	564	KRT6A	27	1	1	39.9	60.044
P08729	K2C7_HUMAN	Keratin, type II cytoskeletal 7 (Cytokeratin-7) (CK-7) (Keratin-7) (K7) (Sarcolectin) (	469	KRT7	25	1	1	45.4	51.385
P05787	K2C8_HUMAN	Keratin, type II cytoskeletal 8 (Cytokeratin-8) (CK-8) (Keratin-8) (K8) (Type-II kerati	483	KRT8	40	33	30	73.7	53.704
P00568	KAD1_HUMAN	Adenylate kinase isoenzyme 1 (AK 1) (EC 2.7.4.3) (EC 2.7.4.6) (ATP-AMP transph	194	AK1	13	13	13	61.3	21.635
P54819	KAD2_HUMAN	Adenylate kinase 2, mitochondrial (AK 2) (EC 2.7.4.3) (ATP-AMP transphosphoryla	239	AK2	12	12	12	64.9	26.477
Q9UIJ7	KAD3_HUMAN	GTP:AMP phosphotransferase AK3, mitochondrial (EC 2.7.4.10) (Adenylate kinase	227	AK3	13	13	13	55.1	25.565
P27144	KAD4_HUMAN	Adenylate kinase 4, mitochondrial (AK 4) (EC 2.7.4.10) (EC 2.7.4.6) (Adenylate kin	223	AK4	7	7	7	44.8	25.268
P29622	KAIN_HUMAN	Kallistatin (Kallikrein inhibitor) (Peptidase inhibitor 4) (PI-4) (Serpin A4)	427	SERPINA4	2	2	2	7.5	48.541
Q14678	KANK1_HUMAN	KN motif and ankyrin repeat domain-containing protein 1 (Ankyrin repeat domain-co	1352	KANK1	1	1	1	1.4	147.29
Q63ZY3	KANK2_HUMAN	KN motif and ankyrin repeat domain-containing protein 2 (Ankyrin repeat domain-co	851	KANK2	27	27	26	41.1	91.173
Q6NY19	KANK3_HUMAN	KN motif and ankyrin repeat domain-containing protein 3 (Ankyrin repeat domain-co	840	KANK3	4	4	4	6.8	88.424
Q5T7N3	KANK4_HUMAN	KN motif and ankyrin repeat domain-containing protein 4 (Ankyrin repeat domain-co	995	KANK4	2	1	1	2.2	107.34
P10644	KAP0_HUMAN	cAMP-dependent protein kinase type I-alpha regulatory subunit (Tissue-specific ext	381	PRKAR1A	9	9	9	27	42.981
P13861	KAP2_HUMAN	cAMP-dependent protein kinase type II-alpha regulatory subunit	404	PRKAR2A	16	16	13	53.5	45.518

P31323	KAP3_HUMAN	cAMP-dependent protein kinase type II-beta regulatory subunit	418 PRKAR2B	15	13	13	50.5	46.302
P17612	KAPCA_HUMAN	cAMP-dependent protein kinase catalytic subunit alpha (PKA C-alpha) (EC 2.7.11.1)	351 PRKACA	11	11	4	27.9	40.589
P22694	KAPCB_HUMAN	cAMP-dependent protein kinase catalytic subunit beta (PKA C-beta) (EC 2.7.11.11)	351 PRKACB	9	2	2	27.9	40.622
Q6Y21	KAT3_HUMAN	Kynurenine-oxoglutarate transaminase 3 (EC 2.6.1.7) (Cysteine-S-conjugate beta-	454 KYAT3	3	3	3	8.8	51.4
Q9H726	KAT8_HUMAN	Histone acetyltransferase KAT8 (EC 2.3.1.48) (Lysine acetyltransferase 8) (MOZ, Y	458 KAT8	2	2	2	3.3	52.402
Q8IYT4	KATL2_HUMAN	Katanin p60 ATPase-containing subunit A-like 2 (Katanin p60 subunit A-like 2) (EC	538 KATNAL2	1	1	1	2.2	61.252
Q96EK5	KBP_HUMAN	KIF1-binding protein	621 KIF1BP	2	2	2	6.4	71.813
O94819	KBTBB_HUMAN	Kelch repeat and BTB domain-containing protein 11 (Chronic myelogenous leukem	623 KBTBD11	1	1	1	2.6	65.719
Q8N752	KC1AL_HUMAN	Casein kinase I isoform alpha-like (CKI-alpha-like) (EC 2.7.11.1) (CK1)	337 CSNK1A1L	2	2	2	4.7	39.085
Q14012	KCC1A_HUMAN	Calcium/calmodulin-dependent protein kinase type 1 (EC 2.7.11.17) (CaM kinase I)	370 CAMK1	4	4	4	16.5	41.337
Q8IU85	KCC1D_HUMAN	Calcium/calmodulin-dependent protein kinase type 1D (EC 2.7.11.17) (CaM kinase	385 CAMK1D	2	2	2	8.1	42.913
Q13557	KCC2D_HUMAN	Calcium/calmodulin-dependent protein kinase type II subunit delta (CaM kinase II s	499 CAMK2D	7	4	4	19.2	56.369
Q13555	KCC2G_HUMAN	Calcium/calmodulin-dependent protein kinase type II subunit gamma (CaM kinase I	558 CAMK2G	9	9	6	22.6	62.608
Q96CX2	KCD12_HUMAN	BTB/POZ domain-containing protein KCTD12 (Pftin) (Predominantly fetal express	325 KCTD12	12	12	12	47.1	35.7
Q4G0X4	KCD21_HUMAN	BTB/POZ domain-containing protein KCTD21	260 KCTD21	1	1	1	6.5	29.643
P12277	KCRB_HUMAN	Creatine kinase B-type (EC 2.7.3.2) (B-CK) (Creatine kinase B chain)	381 CKB	17	17	16	57.7	42.644
P06732	KCRM_HUMAN	Creatine kinase M-type (EC 2.7.3.2) (Creatine kinase M chain) (M-CK) [Cleaved int	381 CKM	2	1	1	6.6	43.101
P17540	KCRS_HUMAN	Creatine kinase S-type, mitochondrial (EC 2.7.3.2) (Basic-type mitochondrial creati	419 CKMT2	12	12	11	35.1	47.504
P12532	KCRU_HUMAN	Creatine kinase U-type, mitochondrial (EC 2.7.3.2) (Acidic-type mitochondrial creat	417 CKMT1A	5	4	4	15.6	47.036
P30085	KCY_HUMAN	UMP-CMP kinase (EC 2.7.4.14) (Deoxycytidylate kinase) (CK) (dCMP kinase) (Nuc	196 CMPK1	2	2	2	13.8	22.222
Q7Z4H8	KDEL2_HUMAN	KDEL motif-containing protein 2	507 KDEL2	5	5	5	9.5	58.572
B2RXH2	KDM4E_HUMAN	Lysine-specific demethylase 4E (EC 1.14.11.-) (KDM4D-like protein) (Lysine-specif	506 KDM4E	1	1	1	1.4	56.804
Q06136	KDSR_HUMAN	3-ketodihydroshingosine reductase (KDS reductase) (EC 1.1.1.102) (3-dehydrosp	332 KDSR	3	3	3	10.5	36.187
Q13976	KGP1_HUMAN	cGMP-dependent protein kinase 1 (cGK 1) (cGK1) (EC 2.7.11.12) (cGMP-depende	671 PRKG1	15	15	15	23.1	76.364
Q07666	KHDR1_HUMAN	KH domain-containing, RNA-binding, signal transduction-associated protein 1 (GAF	443 KHDRBS1	6	6	6	13.3	48.227
Q9H1H9	KI13A_HUMAN	Kinesin-like protein KIF13A (Kinesin-like protein RBKIN)	1805 KIF13A	2	2	1	1.1	202.31
Q7Z4S6	KI21A_HUMAN	Kinesin-like protein KIF21A (Kinesin-like protein KIF2) (Renal carcinoma antigen N'	1674 KIF21A	2	2	2	1.1	187.18
O43896	KIF1C_HUMAN	Kinesin-like protein KIF1C	1103 KIF1C	3	3	3	2.8	122.95
O00139	KIF2A_HUMAN	Kinesin-like protein KIF2A (Kinesin-2) (hK2)	706 KIF2A	2	2	2	2.4	79.954
P33176	KINH_HUMAN	Kinesin-1 heavy chain (Conventional kinesin heavy chain) (Ubiquitous kinesin heav	963 KIF5B	36	36	36	44.4	109.68
Q96J84	KIRR1_HUMAN	Kin of IRRE-like protein 1 (Kin of irregular chiasm-like protein 1) (Nephrin-like prote	757 KIRREL	1	1	1	1.5	83.535
O00142	KITM_HUMAN	Thymidine kinase 2, mitochondrial (EC 2.7.1.21) (Mt-TK)	265 TK2	2	2	2	6	31.004
Q07866	KLC1_HUMAN	Kinesin light chain 1 (KLC 1)	573 KLC1	11	11	11	16.8	65.309
Q6P597	KLC3_HUMAN	Kinesin light chain 3 (KLC2-like) (kinesin light chain 2)	504 KLC3	2	2	2	3.4	55.364
Q53GT1	KLH22_HUMAN	Kelch-like protein 22	634 KLHL22	2	2	2	3.8	71.666
P03952	KLKB1_HUMAN	Plasma kallikrein (EC 3.4.21.34) (Fletcher factor) (Kininogenin) (Plasma prekallikre	638 KLKB1	14	14	14	19.9	71.369
P01042	KNG1_HUMAN	Kininogen-1 (Alpha-2-thiol proteinase inhibitor) (Fitzgerald factor) (High molecular v	644 KNG1	22	22	22	32.6	71.957
P46020	KPB1_HUMAN	Phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform (Phospho	1223 PHKA1	2	2	2	0.7	137.31
P17252	KPCA_HUMAN	Protein kinase C alpha type (PKC-A) (PKC-alpha) (EC 2.7.11.13)	672 PRKCA	4	4	4	5.8	76.749
Q05655	KPCD_HUMAN	Protein kinase C delta type (EC 2.7.11.13) (Tyrosine-protein kinase PRKCD) (EC 2	676 PRKCD	5	5	5	8.3	77.504
Q14558	KPRA_HUMAN	Phosphoribosyl pyrophosphate synthase-associated protein 1 (PRPP synthase-ass	356 PRPSAP1	5	5	4	20.2	39.393
O60256	KPRB_HUMAN	Phosphoribosyl pyrophosphate synthase-associated protein 2 (PRPP synthase-ass	369 PRPSAP2	5	4	4	18.2	40.925
Q5T749	KPRP_HUMAN	Keratinocyte proline-rich protein (hKPRP)	579 KPRP	8	8	8	13.6	64.135
P14618	KPYM_HUMAN	Pyruvate kinase PKM (EC 2.7.1.40) (Cytosolic thyroid hormone-binding protein) (C	531 PKM	36	36	34	70.6	57.936
P30613	KPYR_HUMAN	Pyruvate kinase PKLR (EC 2.7.1.40) (Pyruvate kinase 1) (Pyruvate kinase isozyme	574 PKLR	7	6	6	13.8	61.829
P78386	KRT85_HUMAN	Keratin, type II cuticular Hb5 (Hair keratin K2.12) (Keratin-85) (K85) (Type II hair ke	507 KRT85	5	4	2	11.4	55.802
Q15418	KS6A1_HUMAN	Ribosomal protein S6 kinase alpha-1 (S6K-alpha-1) (EC 2.7.11.1) (90 kDa ribosom	735 RPS6KA1	2	2	2	3.7	82.722
P51812	KS6A3_HUMAN	Ribosomal protein S6 kinase alpha-3 (S6K-alpha-3) (EC 2.7.11.1) (90 kDa ribosom	740 RPS6KA3	8	8	8	13	83.735
Q9HA64	KT3K_HUMAN	Ketosamine-3-kinase (EC 2.7.1.-) (Fructosamine-3-kinase-related protein) (FN3K-F	309 FN3KRP	7	7	7	21.7	34.412
P23919	KTHY_HUMAN	Thymidylate kinase (EC 2.7.4.9) (dTMP kinase)	212 DTYMK	4	4	4	19.8	23.819
Q86UP2	KTN1_HUMAN	Kinectin (CG-1 antigen) (Kinesin receptor)	1357 KTN1	39	39	39	32.4	156.27
P01602	KV105_HUMAN	Immunoglobulin kappa variable 1-5 (Ig kappa chain V-I region CAR) (Ig kappa chai	117 IGV1-5	1	1	1	9.4	12.781

P01599	KV117_HUMAN	Immunoglobulin kappa variable 1-17 (Ig kappa chain V-I region Gal) (Ig kappa chain	117 IGKV1-17	1	1	1	10.3	12.778
P01594	KV133_HUMAN	Immunoglobulin kappa variable 1-33 (Ig kappa chain V-I region AU) (Ig kappa chain	117 IGKV1-33	1	1	1	13.7	12.848
A0A0C4DH6	KV224_HUMAN	Immunoglobulin kappa variable 2-24	120 IGKV2-24	1	1	1	10.8	13.079
P04433	KV311_HUMAN	Immunoglobulin kappa variable 3-11 (Ig kappa chain V-III region VG)	115 IGKV3-11	1	1	1	7.8	12.575
P01619	KV320_HUMAN	Immunoglobulin kappa variable 3-20 (Ig kappa chain V-III region B6) (Ig kappa chain	116 IGKV3-20	2	2	2	21.6	12.557
P06312	KV401_HUMAN	Immunoglobulin kappa variable 4-1 (Ig kappa chain V-IV region B17) (Ig kappa chain	121 IGKV4-1	3	3	3	28.1	13.38
A0A075B6S2	KVD29_HUMAN	Immunoglobulin kappa variable 2D-29	120 IGKV2D-29	1	1	1	9.2	13.143
P32004	L1CAM_HUMAN	Neural cell adhesion molecule L1 (N-CAM-L1) (NCAM-L1) (CD antigen CD171)	1257 L1CAM	4	4	4	3.3	140
Q15334	L2GL1_HUMAN	Lethal(2) giant larvae protein homolog 1 (LLGL) (DLG4) (Hugl-1) (Human homolog	1064 LLGL1	1	1	1	1.4	115.42
Q9H9P8	L2HDH_HUMAN	L-2-hydroxyglutarate dehydrogenase, mitochondrial (EC 1.1.99.2) (Duranin)	463 L2HDH	2	2	2	4.3	50.315
P05455	LA_HUMAN	Lupus La protein (La autoantigen) (La ribonucleoprotein) (Sjogren syndrome type	408 SSB	18	18	18	43.9	46.836
P0CG05	LAC2_HUMAN	Ig lambda-2 chain C regions	106 IGLC2	7	3	2	88.7	11.293
A0M8Q6	LAC7_HUMAN	Ig lambda-7 chain C region	106 IGLC7	5	2	2	57.5	11.303
Q53H82	LACB2_HUMAN	Endoribonuclease LACTB2 (EC 3.1.27.-) (Beta-lactamase-like protein 2)	288 LACTB2	3	3	3	16.3	32.805
P83111	LACTB_HUMAN	Serine beta-lactamase-like protein LACTB, mitochondrial (EC 3.4.-.-)	547 LACTB	3	3	3	6.4	60.693
Q6GTX8	LAIR1_HUMAN	Leukocyte-associated immunoglobulin-like receptor 1 (LAIR-1) (hLAIR1) (CD antigen	287 LAIR1	1	1	1	4.5	31.412
P24043	LAMA2_HUMAN	Laminin subunit alpha-2 (Laminin M chain) (Laminin-12 subunit alpha) (Laminin-2 s	3122 LAMA2	28	28	28	10.1	343.9
Q16787	LAMA3_HUMAN	Laminin subunit alpha-3 (Epiligrin 170 kDa subunit) (E170) (Epiligrin subunit alpha)	3333 LAMA3	17	16	16	5.8	366.65
Q16363	LAMA4_HUMAN	Laminin subunit alpha-4 (Laminin-14 subunit alpha) (Laminin-8 subunit alpha) (Larr	1823 LAMA4	47	47	47	29.2	202.52
O15230	LAMA5_HUMAN	Laminin subunit alpha-5 (Laminin-10 subunit alpha) (Laminin-11 subunit alpha) (La	3695 LAMA5	108	108	107	38.2	399.73
P07942	LAMB1_HUMAN	Laminin subunit beta-1 (Laminin B1 chain) (Laminin-1 subunit beta) (Laminin-10 su	1786 LAMB1	56	56	56	37.2	198.04
P55268	LAMB2_HUMAN	Laminin subunit beta-2 (Laminin B1s chain) (Laminin-11 subunit beta) (Laminin-14	1798 LAMB2	87	87	87	56.5	195.98
P11047	LAMC1_HUMAN	Laminin subunit gamma-1 (Laminin B2 chain) (Laminin-1 subunit gamma) (Laminin	1609 LAMC1	74	74	74	53.3	177.6
P11279	LAMP1_HUMAN	Lysosome-associated membrane glycoprotein 1 (LAMP-1) (Lysosome-associated r	417 LAMP1	3	3	3	6.7	44.882
P13473	LAMP2_HUMAN	Lysosome-associated membrane glycoprotein 2 (LAMP-2) (Lysosome-associated r	410 LAMP2	1	1	1	2.9	44.96
O43813	LANC1_HUMAN	LanC-like protein 1 (40 kDa erythrocyte membrane protein) (p40)	399 LANCL1	8	8	8	25.6	45.283
Q9NS86	LANC2_HUMAN	LanC-like protein 2 (Testis-specific adriamycin sensitivity protein)	450 LANCL2	2	2	2	4.9	50.854
P42167	LAP2B_HUMAN	Lamina-associated polypeptide 2, isoforms beta/gamma (Thymopoietin, isoforms b	454 TMPO	10	10	10	29.1	50.67
Q6PKG0	LARP1_HUMAN	La-related protein 1 (La ribonucleoprotein domain family member 1)	1096 LARP1	2	2	2	1.4	123.51
Q14847	LASP1_HUMAN	LIM and SH3 domain protein 1 (LASP-1) (Metastatic lymph node gene 50 protein) (	261 LASP1	15	15	15	52.5	29.717
P18428	LBP_HUMAN	Lipopolysaccharide-binding protein (LBP)	481 LBP	2	2	2	6.2	53.383
Q14739	LBR_HUMAN	Lamin-B receptor (Integral nuclear envelope inner membrane protein) (LMN2R)	615 LBR	4	4	4	7.3	70.702
Q9Y383	LC7L2_HUMAN	Putative RNA-binding protein Luc7-like 2	392 LUC7L2	9	9	4	24.5	46.513
O95232	LC7L3_HUMAN	Luc7-like protein 3 (Cisplatin resistance-associated-overexpressed protein) (Luc7A	432 LUC7L3	6	6	6	13.7	51.466
Q9UIQ6	LCAP_HUMAN	Leucyl-cystinyl aminopeptidase (Cystinyl aminopeptidase) (EC 3.4.11.3) (Insulin-re	1025 LNPEP	7	7	7	8.8	117.35
Q6UWP7	LCLT1_HUMAN	Lysocardiolipin acyltransferase 1 (EC 2.3.1.-) (EC 2.3.1.51) (1-acylglycerol-3-phosp	414 LCLAT1	3	3	3	9.7	48.92
O75112	LDB3_HUMAN	LIM domain-binding protein 3 (Protein cypher) (Z-band alternatively spliced PDZ-m	727 LDB3	14	14	14	26.3	77.134
P00338	LDHA_HUMAN	L-lactate dehydrogenase A chain (LDH-A) (EC 1.1.1.27) (Cell proliferation-inducing	332 LDHA	16	16	14	52.7	36.688
P07195	LDHB_HUMAN	L-lactate dehydrogenase B chain (LDH-B) (EC 1.1.1.27) (LDH heart subunit) (LDH-	334 LDHB	14	12	12	47.3	36.638
Q86WU2	LDHD_HUMAN	Probable D-lactate dehydrogenase, mitochondrial (DLD) (Lactate dehydrogenase L	507 LDHD	8	8	8	21.5	54.87
P09382	LEG1_HUMAN	Galectin-1 (Gal-1) (14 kDa laminin-binding protein) (HLBP14) (14 kDa lectin) (Beta-	135 LGALS1	10	10	10	74.8	14.716
Q05315	LEG10_HUMAN	Galectin-10 (Gal-10) (Charcot-Leyden crystal protein) (CLC) (Eosinophil lysospho	142 CLC	1	1	1	15.5	16.453
P17931	LEG3_HUMAN	Galectin-3 (Gal-3) (35 kDa lectin) (Carbohydrate-binding protein 35) (CBP 35) (Gal-	250 LGALS3	8	8	8	28	26.152
O00214	LEG8_HUMAN	Galectin-8 (Gal-8) (Po66 carbohydrate-binding protein) (Po66-CBP) (Prostate carci	317 LGALS8	2	2	2	6.9	35.808
O00182	LEG9_HUMAN	Galectin-9 (Gal-9) (Ecalectin) (Tumor antigen HOM-HD-21)	355 LGALS9	1	1	1	3.4	39.518
Q3ZCW2	LEGL_HUMAN	Galectin-related protein (Lectin galactoside-binding-like protein)	172 LGALS	1	1	1	5.2	18.986
Q8NC56	LEMD2_HUMAN	LEM domain-containing protein 2 (hLEM2)	503 LEMD2	7	7	7	14.9	56.974
O95202	LETM1_HUMAN	LETM1 and EF-hand domain-containing protein 1, mitochondrial (Leucine zipper-EI	739 LETM1	11	11	11	18	83.353
P19256	LFA3_HUMAN	Lymphocyte function-associated antigen 3 (Ag3) (Surface glycoprotein LFA-3) (CD	250 CD58	2	2	2	4.8	28.147
Q969X1	LFG3_HUMAN	Protein lifeguard 3 (Protein RECS1 homolog) (Transmembrane BAX inhibitor motif	311 TMBIM1	2	2	2	8.4	34.607
Q08380	LG3BP_HUMAN	Galectin-3-binding protein (Basement membrane autoantigen p105) (Lectin galacto	585 LGALS3BP	9	9	9	19.3	65.33
Q8N135	LGI4_HUMAN	Leucine-rich repeat LGI family member 4 (LGI1-like protein 3) (Leucine-rich glioma-	537 LGI4	1	1	1	2	59.141

Q99538	LGMN_HUMAN	Legumain (EC 3.4.22.34) (Asparaginyl endopeptidase) (Protease, cysteine 1)	433 LGMN	4	4	4	11.3	49.411
Q04760	LGUL_HUMAN	Lactoylglutathione lyase (EC 4.4.1.5) (Aldoketomutase) (Glyoxalase I) (Glx I) (Keto	184 GLO1	6	6	6	32.6	20.777
Q6ZUX7	LHPL2_HUMAN	Lipoma HMGIC fusion partner-like 2 protein	228 LHPL2	1	1	1	3.9	24.486
Q9H008	LHPP_HUMAN	Phospholysine phosphohistidine inorganic pyrophosphate phosphatase (hLHPP) (E	270 LHPP	5	5	5	25.6	29.165
Q9UHB6	LIMA1_HUMAN	LIM domain and actin-binding protein 1 (Epithelial protein lost in neoplasm)	759 LIMA1	19	19	19	24.1	85.225
Q9UPQ0	LIMC1_HUMAN	LIM and calponin homology domains-containing protein 1	1083 LIMCH1	6	6	6	7.3	121.87
Q9UGP4	LIMD1_HUMAN	LIM domain-containing protein 1	676 LIMD1	4	4	3	9.9	72.189
P48059	LIMS1_HUMAN	LIM and senescent cell antigen-like-containing domain protein 1 (Particularly intere:	325 LIMS1	16	16	9	50.8	37.251
Q7Z4I7	LIMS2_HUMAN	LIM and senescent cell antigen-like-containing domain protein 2 (LIM-like protein 2,	341 LIMS2	10	3	3	29.9	38.916
Q9NUP9	LIN7C_HUMAN	Protein lin-7 homolog C (Lin-7C) (Mammalian lin-seven protein 3) (MALS-3) (Verte	197 LIN7C	3	3	3	15.7	21.834
Q13136	LIPA1_HUMAN	Liprin-alpha-1 (LAR-interacting protein 1) (LIP-1) (Protein tyrosine phosphatase rec	1202 PPFIA1	4	4	4	4.3	135.78
Q86W92	LIPB1_HUMAN	Liprin-beta-1 (Protein tyrosine phosphatase receptor type f polypeptide-interacting p	1011 PPFIBP1	5	5	4	6.5	114.02
P06858	LIPL_HUMAN	Lipoprotein lipase (LPL) (EC 3.1.1.34)	475 LPL	2	2	2	5.7	53.162
Q05469	LIPS_HUMAN	Hormone-sensitive lipase (HSL) (EC 3.1.1.79)	1076 LIPE	30	30	30	36.2	116.6
O75023	LIRB5_HUMAN	Leukocyte immunoglobulin-like receptor subfamily B member 5 (CD85 antigen-like	590 LILRB5	3	3	3	7.8	64.125
P43034	LIS1_HUMAN	Platelet-activating factor acetylhydrolase IB subunit alpha (Lissencephaly-1 protein,	410 PAFAH1B1	14	14	14	36.3	46.637
P09960	LKHA4_HUMAN	Leukotriene A-4 hydrolase (LTA-4 hydrolase) (EC 3.3.2.6) (Leukotriene A(4) hydrol	611 LTA4H	20	20	20	35	69.284
Q9H0V9	LMA2L_HUMAN	VIP36-like protein (Lectin mannose-binding 2-like) (LMAN2-like protein)	348 LMAN2L	1	1	1	4.3	39.71
P49257	LMAN1_HUMAN	Protein ERGIC-53 (ER-Golgi intermediate compartment 53 kDa protein) (Gp58) (Intr	510 LMAN1	10	10	10	15.9	57.548
Q12907	LMAN2_HUMAN	Vesicular integral-membrane protein VIP36 (Glycoprotein GP36b) (Lectin mannose	356 LMAN2	9	9	9	34	40.228
Q9NZU5	LMCD1_HUMAN	LIM and cysteine-rich domains protein 1 (Dyxin)	365 LMCD1	10	10	10	27.7	40.832
P02545	LMNA_HUMAN	Prelamin-A/C [Cleaved into: Lamin-A/C (70 kDa lamin) (Renal carcinoma antigen N	664 LMNA	55	55	53	71.7	74.139
P20700	LMNB1_HUMAN	Lamin-B1	586 LMNB1	32	28	28	50.7	66.408
Q03252	LMNB2_HUMAN	Lamin-B2	620 LMNB2	40	38	36	50.6	69.948
P29536	LMOD1_HUMAN	Leiomodin-1 (64 kDa autoantigen 1D) (64 kDa autoantigen 1D3) (64 kDa autoantig	600 LMOD1	21	21	20	29.8	67.029
Q9C0E8	LNP_HUMAN	Protein lunapark	428 LNP	7	7	7	16.1	47.739
P36776	LONN_HUMAN	Lon protease homolog, mitochondrial (EC 3.4.21.-) (LONHs) (Lon protease-like pro	959 LONP1	12	12	12	16.1	106.49
P16050	LOX15_HUMAN	Arachidonate 15-lipoxygenase (15-LOX) (15-LOX-1) (EC 1.13.11.33) (12/15-lipoxyg	662 ALOX15	11	11	11	19.6	74.804
P09917	LOX5_HUMAN	Arachidonate 5-lipoxygenase (5-LO) (5-lipoxygenase) (EC 1.13.11.34)	674 ALOX5	3	3	3	5.2	77.982
Q08397	LOXL1_HUMAN	Lysyl oxidase homolog 1 (EC 1.4.3.-) (Lysyl oxidase-like protein 1) (LOL)	574 LOXL1	2	2	2	4.4	63.109
Q92633	LPAR1_HUMAN	Lysophosphatidic acid receptor 1 (LPA receptor 1) (LPA-1) (Lysophosphatidic acid	364 LPAR1	2	2	2	5.5	41.109
Q93052	LPP_HUMAN	Lipoma-preferred partner (LIM domain-containing preferred translocation partner in	612 LPP	24	24	24	50.7	65.746
P42704	LPPRC_HUMAN	Leucine-rich PPR motif-containing protein, mitochondrial (130 kDa leucine-rich prot	1394 LRPPRC	23	23	22	19.7	157.9
Q95237	LRAT_HUMAN	Lecithin retinol acyltransferase (EC 2.3.1.135) (Phosphatidylcholine--retinol O-acylt	230 LRAT	1	1	1	6.5	25.703
Q9C0I9	LRC27_HUMAN	Leucine-rich repeat-containing protein 27	530 LRRC27	1	1	1	2.5	60.089
Q14392	LRC32_HUMAN	Leucine-rich repeat-containing protein 32 (Garpin) (Glycoprotein A repetitions pred	662 LRRC32	1	1	1	2	71.978
Q9H9A6	LRC40_HUMAN	Leucine-rich repeat-containing protein 40	602 LRRC40	1	1	1	2.3	68.249
Q8N1G4	LRC47_HUMAN	Leucine-rich repeat-containing protein 47	583 LRRC47	11	11	10	25.2	63.472
Q8N9N7	LRC57_HUMAN	Leucine-rich repeat-containing protein 57	239 LRRC57	5	5	5	18.4	26.754
Q96AG4	LRC59_HUMAN	Leucine-rich repeat-containing protein 59 (Ribosome-binding protein p34) (p34)	307 LRRC59	9	9	9	35.2	34.93
Q8IWT6	LRC8A_HUMAN	Volume-regulated anion channel subunit LRRC8A (Leucine-rich repeat-containing p	810 LRRC8A	1	1	1	2.2	94.198
Q07954	LRP1_HUMAN	Prolow-density lipoprotein receptor-related protein 1 (LRP-1) (Alpha-2-macroglobul	4544 LRP1	66	66	65	18.6	504.6
Q32MZ4	LRRF1_HUMAN	Leucine-rich repeat flightless-interacting protein 1 (LRR FLII-interacting protein 1) (	808 LRRFIP1	7	7	6	9.9	89.252
Q9Y608	LRRF2_HUMAN	Leucine-rich repeat flightless-interacting protein 2 (LRR FLII-interacting protein 2)	721 LRRFIP2	3	2	2	4	82.17
Q8WUT4	LRRN4_HUMAN	Leucine-rich repeat neuronal protein 4 (Neuronal leucine-rich repeat protein 4) (NLI	740 LRRN4	2	2	2	2.7	78.842
Q8ND56	LS14A_HUMAN	Protein LSM14 homolog A (Protein FAM61A) (Protein SCD6 homolog) (Putative al	463 LSM14A	2	2	2	4.3	50.529
Q13449	LSAMP_HUMAN	Limbic system-associated membrane protein (LSAMP) (IgLON family member 3)	338 LSAMP	3	3	3	11.5	37.393
Q3MHD2	LSM12_HUMAN	Protein LSM12 homolog	195 LSM12	1	1	1	6.7	21.701
Q9Y333	LSM2_HUMAN	U6 snRNA-associated Sm-like protein LSm2 (Protein G7b) (Small nuclear ribonuckl	95 LSM2	2	2	2	14.7	10.834
P62310	LSM3_HUMAN	U6 snRNA-associated Sm-like protein LSm3	102 LSM3	2	2	2	32.4	11.845
Q9Y4Z0	LSM4_HUMAN	U6 snRNA-associated Sm-like protein LSm4 (Glycine-rich protein) (GRP)	139 LSM4	2	2	2	12.2	15.35
Q9Y4Y9	LSM5_HUMAN	U6 snRNA-associated Sm-like protein LSm5	91 LSM5	1	1	1	20.9	9.9374

P62312	LSM6_HUMAN	U6 snRNA-associated Sm-like protein LSM6	80	LSM6	2	2	2	23.8	9.1275
P33241	LSP1_HUMAN	Lymphocyte-specific protein 1 (47 kDa actin-binding protein) (52 kDa phosphoprote	339	LSP1	4	4	4	16.8	37.191
Q9BVC4	LST8_HUMAN	Target of rapamycin complex subunit LST8 (TORC subunit LST8) (G protein beta s	326	MLST8	1	1	1	5.5	35.876
Q14766	LTBP1_HUMAN	Latent-transforming growth factor beta-binding protein 1 (LTBP-1) (Transforming gr	1721	LTBP1	18	18	18	13	186.79
Q14767	LTBP2_HUMAN	Latent-transforming growth factor beta-binding protein 2 (LTBP-2)	1821	LTBP2	17	17	17	10.2	195.05
Q8N2S1	LTBP4_HUMAN	Latent-transforming growth factor beta-binding protein 4 (LTBP-4)	1624	LTBP4	30	30	30	22.8	173.43
Q16873	LTC4S_HUMAN	Leukotriene C4 synthase (LTC4 synthase) (EC 4.4.1.20) (Leukotriene-C(4) synthas	150	LTC4S	1	1	1	9.3	16.567
Q6P1Q0	LETMD1_HUMAN	LETM1 domain-containing protein 1 (Cervical cancer 1 proto-oncogene protein p40	360	LETMD1	1	1	1	3.6	41.79
Q6IAA8	LTOR1_HUMAN	Ragulator complex protein LAMTOR1 (Late endosomal/lysosomal adaptor and MAI	161	LAMTOR1	2	2	2	23	17.745
Q9Y2Q5	LTOR2_HUMAN	Ragulator complex protein LAMTOR2 (Endosomal adaptor protein p14) (Late endo	125	LAMTOR2	1	1	1	14.4	13.507
Q9UHA4	LTOR3_HUMAN	Ragulator complex protein LAMTOR3 (Late endosomal/lysosomal adaptor and MAI	124	LAMTOR3	1	1	1	8.1	13.623
Q9NQ29	LUC7L_HUMAN	Putative RNA-binding protein Luc7-like 1 (Putative SR protein LUC7B1) (SR+89)	371	LUC7L	6	1	1	15.6	43.727
P51884	LUM_HUMAN	Lumican (Keratan sulfate proteoglycan lumican) (KSPG lumican)	338	LUM	14	14	10	37.9	38.429
Q86V48	LUZP1_HUMAN	Leucine zipper protein 1	1076	LUZP1	4	4	4	3.8	120.27
P01700	LV147_HUMAN	Immunoglobulin lambda variable 1-47 (Ig lambda chain V-I region HA) (Ig lambda c	117	IGLV1-47	1	1	1	11.1	12.283
P01701	LV151_HUMAN	Immunoglobulin lambda variable 1-51 (Ig lambda chain V-I region BL2) (Ig lambda	117	IGLV1-51	2	2	2	13.7	12.249
P01709	LV208_HUMAN	Immunoglobulin lambda variable 2-8 (Ig lambda chain V-II region BO) (Ig lambda cl	118	IGLV2-8	1	1	1	6.8	12.382
P01705	LV223_HUMAN	Immunoglobulin lambda variable 2-23 (Ig lambda chain V-II region NEI)	113	IGLV2-23	1	1	1	7.1	11.893
A0A075B6K4	LV310_HUMAN	Immunoglobulin lambda variable 3-10	115	IGLV3-10	3	3	2	27.8	12.441
P01714	LV319_HUMAN	Immunoglobulin lambda variable 3-19 (Ig lambda chain V-III region SH)	112	IGLV3-19	2	2	2	35.7	12.042
P80748	LV321_HUMAN	Immunoglobulin lambda variable 3-21 (Ig lambda chain V-III region LOI) (Ig lambda	117	IGLV3-21	2	2	2	23.1	12.446
P01718	LV327_HUMAN	Immunoglobulin lambda variable 3-27 (Ig lambda chain V-IV region Kern)	113	IGLV3-27	2	2	1	18.6	12.165
P04211	LV743_HUMAN	Immunoglobulin lambda variable 7-43 (Ig lambda chain V region 4A)	117	IGLV7-43	1	1	1	6	12.451
Q9BS40	LXN_HUMAN	Latexin (Endogenous carboxypeptidase inhibitor) (ECI) (Protein MUM) (Tissue cart	222	LXN	2	2	2	12.2	25.75
P10253	LYAG_HUMAN	Lysosomal alpha-glucosidase (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Cle	952	GAA	3	3	3	3.5	105.32
Q9NX58	LYAR_HUMAN	Cell growth-regulating nucleolar protein	379	LYAR	3	3	3	6.9	43.614
P07948	LYN_HUMAN	Tyrosine-protein kinase Lyn (EC 2.7.10.2) (Lck/Yes-related novel protein tyrosine k	512	LYN	4	4	3	9.2	58.573
P28300	LYOX_HUMAN	Protein-lysine 6-oxidase (EC 1.4.3.13) (Lysyl oxidase)	417	LOX	2	2	2	8.6	46.944
O75608	LYPA1_HUMAN	Acyl-protein thioesterase 1 (APT-1) (hAPT1) (EC 3.1.2.-) (Lysophospholipase 1) (L	230	LYPLA1	1	1	1	5.7	24.669
O95372	LYPA2_HUMAN	Acyl-protein thioesterase 2 (APT-2) (EC 3.1.2.-) (Lysophospholipase II) (LPL-II) (Ly	231	LYPLA2	4	4	4	17.7	24.737
Q5VWZ2	LYPL1_HUMAN	Lysophospholipase-like protein 1 (EC 3.1.2.-)	237	LYPLAL1	3	3	3	11.4	26.316
Q86UE4	LYRIC_HUMAN	Protein LYRIC (3D3/LYRIC) (Astrocyte elevated gene-1 protein) (AEG-1) (Lysine-ri	582	MTDH	14	14	14	29.7	63.836
O43325	LYRM1_HUMAN	LYR motif-containing protein 1	122	LYRM1	2	2	2	13.9	14.281
Q9HD34	LYRM4_HUMAN	LYR motif-containing protein 4	91	LYRM4	1	1	1	15.4	10.758
P61626	LYSC_HUMAN	Lysozyme C (EC 3.2.1.17) (1,4-beta-N-acetylmuramidase C)	148	LYZ	8	8	8	60.1	16.537
Q9Y5Y7	LYVE1_HUMAN	Lymphatic vessel endothelial hyaluronic acid receptor 1 (LYVE-1) (Cell surface rete	322	LYVE1	1	1	1	3.4	35.213
Q8WZA0	LZIC_HUMAN	Protein LZIC (Leucine zipper and CTNNBIP1 domain-containing protein) (Leucine z	190	LZIC	5	5	5	34.7	21.494
Q9NQ48	LZTL1_HUMAN	Leucine zipper transcription factor-like protein 1	299	LZTFL1	4	4	4	14.7	34.592
Q02978	M2OM_HUMAN	Mitochondrial 2-oxoglutarate/malate carrier protein (OGCP) (Solute carrier family 2!	314	SLC25A11	4	4	4	13.1	34.061
Q9Y2U5	M3K2_HUMAN	Mitogen-activated protein kinase kinase kinase 2 (EC 2.7.11.25) (MAPK/ERK kinas	619	MAP3K2	1	1	1	2.1	69.74
Q9Y4K4	M4K5_HUMAN	Mitogen-activated protein kinase kinase kinase 5 (EC 2.7.11.1) (Kinase horr	846	MAP4K5	1	1	1	1.5	95.039
P33908	MA1A1_HUMAN	Mannosyl-oligosaccharide 1,2-alpha-mannosidase IA (EC 3.2.1.113) (Man9)-alpha	653	MAN1A1	1	1	1	1.1	72.968
Q9NTJ4	MA2C1_HUMAN	Alpha-mannosidase 2C1 (EC 3.2.1.24) (Alpha mannosidase 6A8B) (Alpha-D-mann	1040	MAN2C1	4	4	4	3.9	115.83
Q3KQU3	MA7D1_HUMAN	MAP7 domain-containing protein 1 (Arginine/proline-rich coiled-coil domain-contain	841	MAP7D1	4	4	4	5.9	92.819
Q9BQ69	MACD1_HUMAN	O-acetyl-ADP-ribose deacetylase MACROD1 (EC 3.2.2.-) (EC 3.5.1.-) (MACRO do	325	MACROD1	3	3	3	14.5	35.505
Q9UPN3	MACF1_HUMAN	Microtubule-actin cross-linking factor 1, isoforms 1/2/3/5 (620 kDa actin-binding pro	7388	MACF1	35	34	33	5.7	838.3
Q9UNF1	MAGD2_HUMAN	Melanoma-associated antigen D2 (11B6) (Breast cancer-associated gene 1 protein	606	MAGED2	3	3	3	6.8	64.953
Q9H0U3	MAGT1_HUMAN	Magnesium transporter protein 1 (MagT1) (Implantation-associated protein) (IAP)	335	MAGT1	5	5	5	12.2	38.036
Q8WWC4	MAIP1_HUMAN	m-AAA protease-interacting protein 1, mitochondrial	291	C2orf47	2	2	2	5.8	32.544
Q969L2	MAL2_HUMAN	Protein MAL2	176	MAL2	1	1	1	6.2	19.125
Q9Y2U8	MAN1_HUMAN	Inner nuclear membrane protein Man1 (LEM domain-containing protein 3)	911	LEMD3	2	2	2	1.8	99.996
Q9NQG1	MANBL_HUMAN	Protein MANBAL	85	MANBAL	1	1	1	14.1	9.467

P55145	MANF_HUMAN	Mesencephalic astrocyte-derived neurotrophic factor (Arginine-rich protein) (Protein	182	MANF	4	4	4	19.2	20.7
P23368	MAOM_HUMAN	NAD-dependent malic enzyme, mitochondrial (NAD-ME) (EC 1.1.1.38) (Malic enzyme	584	ME2	5	5	4	10.6	65.443
Q16798	MAON_HUMAN	NADP-dependent malic enzyme, mitochondrial (NADP-ME) (EC 1.1.1.40) (Malic enzyme	604	ME3	4	3	3	6.8	67.068
P48163	MAOX_HUMAN	NADP-dependent malic enzyme (NADP-ME) (EC 1.1.1.40) (Malic enzyme 1)	572	ME1	9	9	9	21.2	64.149
P78559	MAP1A_HUMAN	Microtubule-associated protein 1A (MAP-1A) (Proliferation-related protein p80) [Cle	2803	MAP1A	8	8	8	3.3	305.48
P46821	MAP1B_HUMAN	Microtubule-associated protein 1B (MAP-1B) [Cleaved into: MAP1B heavy chain; M	2468	MAP1B	49	49	49	26.8	270.63
Q66K74	MAP1S_HUMAN	Microtubule-associated protein 1S (MAP-1S) (BPY2-interacting protein 1) (Microtub	1059	MAP1S	9	9	9	8.8	112.21
P50579	MAP2_HUMAN	Methionine aminopeptidase 2 (MAP 2) (MetAP 2) (EC 3.4.11.18) (Initiation factor 2-	478	METAP2	3	3	3	8.6	52.891
P27816	MAP4_HUMAN	Microtubule-associated protein 4 (MAP-4)	1152	MAP4	53	53	53	52.2	121
Q16644	MAPK3_HUMAN	MAP kinase-activated protein kinase 3 (MAPK-activated protein kinase 3) (MAPKA	382	MAPKAPK3	1	1	1	3.1	42.987
Q5VT66	MARC1_HUMAN	Mitochondrial amidoxime-reducing component 1 (mARC1) (EC 1.-.-.-) (Molybdenum	337	MARC1	8	8	7	31.5	37.499
Q969Z3	MARC2_HUMAN	Mitochondrial amidoxime reducing component 2 (mARC2) (EC 1.-.-.-) (Molybdenum	335	MARC2	6	5	5	18.2	38.023
P29966	MARCS_HUMAN	Myristoylated alanine-rich C-kinase substrate (MARCKS) (Protein kinase C substra	332	MARCKS	6	6	6	38.3	31.554
Q15691	MARE1_HUMAN	Microtubule-associated protein RP/EB family member 1 (APC-binding protein EB1)	268	MAPRE1	11	11	10	48.1	29.999
Q15555	MARE2_HUMAN	Microtubule-associated protein RP/EB family member 2 (APC-binding protein EB2)	327	MAPRE2	5	5	5	13.5	37.031
Q9UPY8	MARE3_HUMAN	Microtubule-associated protein RP/EB family member 3 (EB1 protein family membe	281	MAPRE3	5	4	4	17.8	31.982
P48740	MASP1_HUMAN	Mannan-binding lectin serine protease 1 (EC 3.4.21.-) (Complement factor MASP-3	699	MASP1	3	3	3	4.9	79.246
O00187	MASP2_HUMAN	Mannan-binding lectin serine protease 2 (EC 3.4.21.104) (MBL-associated serine p	686	MASP2	1	1	1	2.3	75.702
Q9NZL9	MAT2B_HUMAN	Methionine adenosyltransferase 2 subunit beta (Methionine adenosyltransferase II	334	MAT2B	5	5	5	17.7	37.551
O00339	MATN2_HUMAN	Matrin-2	956	MATN2	17	17	17	23.8	106.84
P43243	MATR3_HUMAN	Matrin-3	847	MATR3	14	14	14	16.4	94.622
Q7Z434	MAVS_HUMAN	Mitochondrial antiviral-signaling protein (MAVS) (CARD adapter inducing interferon	540	MAVS	4	4	4	13.5	56.527
P56270	MAZ_HUMAN	Myc-associated zinc finger protein (MAZI) (Pur-1) (Purine-binding transcription fact	477	MAZ	2	2	2	3.4	48.607
Q9BQG0	MBB1A_HUMAN	Myb-binding protein 1A	1328	MYBBP1A	3	3	3	2.6	148.85
Q9UIS9	MBD1_HUMAN	Methyl-CpG-binding domain protein 1 (CXXC-type zinc finger protein 3) (Methyl-Cp	605	MBD1	2	2	2	6.1	66.606
Q9NR56	MBNL1_HUMAN	Muscleblind-like protein 1 (Triplet-expansion RNA-binding protein)	388	MBNL1	3	3	2	6.7	41.817
Q6P1A2	MBOA5_HUMAN	Lysophospholipid acyltransferase 5 (LPLAT 5) (EC 2.3.1.-) (1-acylglycerophosphoc	487	LPCAT3	1	1	1	2.3	56.034
Q96N66	MBOA7_HUMAN	Lysophospholipid acyltransferase 7 (LPLAT 7) (EC 2.3.1.-) (1-acylglycerophosphati	472	MBOAT7	4	4	4	9.1	52.764
P02686	MBP_HUMAN	Myelin basic protein (MBP) (Myelin A1 protein) (Myelin membrane encephalitogenic	304	MBP	2	2	2	6.6	33.117
O43324	MCA3_HUMAN	Eukaryotic translation elongation factor 1 epsilon-1 (Aminoacyl tRNA synthetase co	174	EEF1E1	3	3	3	15.5	19.81
O43772	MCAT_HUMAN	Mitochondrial carnitine/acylcarnitine carrier protein (Carnitine/acylcarnitine transloc	301	SLC25A20	9	9	9	30.9	32.943
Q96RQ3	MCCA_HUMAN	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial (MCCase subunit al	725	MCCC1	10	10	10	20	80.472
Q9HCC0	MCCB_HUMAN	Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial (MCCase subunit beta)	563	MCCC2	8	8	8	19	61.332
Q96PE7	MCEE_HUMAN	Methylmalonyl-CoA epimerase, mitochondrial (EC 5.1.99.1) (DL-methylmalonyl-Co.	176	MCEE	1	1	1	5.7	18.749
Q8NI22	MCFD2_HUMAN	Multiple coagulation factor deficiency protein 2 (Neural stem cell-derived neuronal s	146	MCFD2	1	1	1	11.6	16.39
Q07820	MCL1_HUMAN	Induced myeloid leukemia cell differentiation protein Mcl-1 (Bcl-2-like protein 3) (Bc	350	MCL1	1	1	1	6	37.337
P25205	MCM3_HUMAN	DNA replication licensing factor MCM3 (EC 3.6.4.12) (DNA polymerase alpha holoe	808	MCM3	1	1	1	2.5	90.98
C9JLW8	MCR11_HUMAN	Mapk-regulated corepressor-interacting protein 1 (Granulin-2) (Protein FAM195B)	97	MCRIP1	2	2	2	17.5	10.92
Q9ULC4	MCTS1_HUMAN	Malignant T-cell-amplified sequence 1 (MCT-1) (Multiple copies T-cell malignancies	181	MCTS1	1	1	1	7.7	20.555
Q8NE86	MCU_HUMAN	Calcium uniporter protein, mitochondrial (HsMCU) (Coiled-coil domain-containing p	351	MCU	2	2	2	7.4	39.866
P40925	MDHC_HUMAN	Malate dehydrogenase, cytoplasmic (EC 1.1.1.37) (Cytosolic malate dehydrogenas	334	MDH1	16	16	16	49.4	36.426
P40926	MDHM_HUMAN	Malate dehydrogenase, mitochondrial (EC 1.1.1.37)	338	MDH2	18	18	18	64.2	35.503
P51608	MECP2_HUMAN	Methyl-CpG-binding protein 2 (MeCp-2 protein) (MeCp2)	486	MECP2	15	15	15	37.9	52.44
Q9BV79	MECR_HUMAN	Trans-2-enoyl-CoA reductase, mitochondrial (EC 1.3.1.38) (Nuclear receptor-bindin	373	MECR	3	3	3	8.8	40.461
Q9NPJ6	MED4_HUMAN	Mediator of RNA polymerase II transcription subunit 4 (Activator-recruited cofactor	270	MED4	1	1	1	6.3	29.745
Q9BQA1	MEP50_HUMAN	Methylosome protein 50 (MEP-50) (Androgen receptor cofactor p44) (WD repeat-co	342	WDR77	1	1	1	3.5	36.724
Q14696	MESD_HUMAN	LDLR chaperone MESD (Mesoderm development candidate 2) (Mesoderm develop	234	MESDC2	5	5	5	32.1	26.076
Q8N4P3	MESH1_HUMAN	Guanosine-3',5'-bis(diphosphate) 3'-pyrophosphohydrolase MESH1 (EC 3.1.7.2) (H-	179	HDDC3	1	1	1	7.3	20.329
Q8N6R0	MET13_HUMAN	Methyltransferase-like protein 13 (EC 2.1.1.-)	699	METTL13	2	2	2	2.3	78.767
Q9H8H3	MET7A_HUMAN	Methyltransferase-like protein 7A (EC 2.1.1.-) (Protein AAM-B)	244	METTL7A	2	2	2	11.1	28.319
P31153	METK2_HUMAN	S-adenosylmethionine synthase isoform type-2 (AdoMet synthase 2) (EC 2.5.1.6) (	395	MAT2A	7	7	7	24.8	43.66
P55081	MFAP1_HUMAN	Microfibrillar-associated protein 1	439	MFAP1	4	4	3	10.7	51.958

P55001	MFAP2_HUMAN	Microfibrillar-associated protein 2 (MFAP-2) (Microfibril-associated glycoprotein 1) (	183 MFAP2	3	3	3	22.4	20.825
P55083	MFAP4_HUMAN	Microfibril-associated glycoprotein 4	255 MFAP4	3	3	3	17.6	28.648
Q13361	MFAP5_HUMAN	Microfibrillar-associated protein 5 (MFAP-5) (MP25) (Microfibril-associated glycopro	173 MFAP5	3	3	3	17.9	19.611
Q9GZY8	MFF_HUMAN	Mitochondrial fission factor	342 MFF	3	3	3	12.6	38.464
Q08431	MFGM_HUMAN	Lactadherin (Breast epithelial antigen BA46) (HMFG) (MFGM) (Milk fat globule-EGI	387 MFGE8	8	8	8	26.1	43.122
Q8IWA4	MFN1_HUMAN	Mitofusin-1 (EC 3.6.5.-) (Fzo homolog) (Transmembrane GTPase MFN1)	741 MFN1	2	2	2	3.6	84.099
O95140	MFN2_HUMAN	Mitofusin-2 (EC 3.6.5.-) (Transmembrane GTPase MFN2)	757 MFN2	3	3	3	3	86.401
Q9H019	MFR1L_HUMAN	Mitochondrial fission regulator 1-like	292 MFR1L	1	1	1	4.1	31.957
Q14728	MFS10_HUMAN	Major facilitator superfamily domain-containing protein 10 (Tetracycline transporter-	455 MFSD10	1	1	1	2.9	48.339
Q99685	MGLL_HUMAN	Monoglyceride lipase (MGL) (EC 3.1.1.23) (HU-K5) (Lysophospholipase homolog) (	303 MGLL	6	6	6	24.1	33.261
P16455	MGMT_HUMAN	Methylated-DNA--protein-cysteine methyltransferase (EC 2.1.1.63) (6-O-methylgua	207 MGMT	2	2	2	10.6	21.646
P61326	MGN_HUMAN	Protein mago nashi homolog	146 MAGOH	6	6	6	47.3	17.163
P08493	MGP_HUMAN	Matrix Gla protein (MGP) (Cell growth-inhibiting gene 36 protein)	103 MGP	2	2	2	19.4	12.353
P10620	MGST1_HUMAN	Microsomal glutathione S-transferase 1 (Microsomal GST-1) (EC 2.5.1.18) (Micros	155 MGST1	3	3	3	13.5	17.598
Q99735	MGST2_HUMAN	Microsomal glutathione S-transferase 2 (Microsomal GST-2) (EC 2.5.1.18) (Micros	147 MGST2	1	1	1	9.5	16.62
O14880	MGST3_HUMAN	Microsomal glutathione S-transferase 3 (Microsomal GST-3) (EC 2.5.1.18) (Micros	152 MGST3	4	4	4	30.3	16.516
A9UHW6	MI4GD_HUMAN	MIF4G domain-containing protein (SLBP-interacting protein 1) (hSLIP1)	222 MIF4GD	1	1	1	5.9	25.423
Q5JRA6	MIA3_HUMAN	Melanoma inhibitory activity protein 3 (C219-reactive peptide) (D320) (Transport an	1907 MIA3	4	4	4	1.9	213.7
Q8N4Q1	MIA40_HUMAN	Mitochondrial intermembrane space import and assembly protein 40 (Coiled-coil-he	142 CHCHD4	1	1	1	12.7	15.996
Q5TGZ0	MIC10_HUMAN	MICOS complex subunit MIC10 (Mitochondrial inner membrane organizing system	78 MINOS1	2	2	2	19.2	8.8081
Q9NX63	MIC19_HUMAN	MICOS complex subunit MIC19 (Coiled-coil-helix-coiled-coil-helix domain-containin	227 CHCHD3	13	13	13	48.9	26.152
Q9BUR5	MIC26_HUMAN	MICOS complex subunit MIC26 (Apolipoprotein O) (MICOS complex subunit MIC2	198 APOO	2	2	2	13.1	22.284
Q6UXV4	MIC27_HUMAN	MICOS complex subunit MIC27 (Apolipoprotein O-like) (Protein FAM121A)	268 APOOL	4	4	4	21.3	29.159
Q16891	MIC60_HUMAN	MICOS complex subunit MIC60 (Cell proliferation-inducing gene 4/52 protein) (Mitc	758 IMMT	35	35	35	47.2	83.677
Q8TDZ2	MICA1_HUMAN	[F-actin]-methionine sulfoxide oxidase MICAL1 (EC 1.14.13.225) (Molecule interact	1067 MICAL1	3	3	3	3.2	117.87
O94851	MICA2_HUMAN	[F-actin]-methionine sulfoxide oxidase MICAL2 (EC 1.14.13.225) (Molecule interact	1124 MICAL2	1	1	1	1.1	126.69
Q8IYU8	MICU2_HUMAN	Calcium uptake protein 2, mitochondrial (EF-hand domain-containing family membe	434 MICU2	1	1	1	3.9	49.666
P14174	MIF_HUMAN	Macrophage migration inhibitory factor (MIF) (EC 5.3.2.1) (Glycosylation-inhibiting f	115 MIF	3	3	3	32.2	12.476
P20774	MIME_HUMAN	Mimecan (Osteoglycin) (Osteoinductive factor) (OIF)	298 OGN	14	14	14	49.3	33.922
Q8N183	MIMIT_HUMAN	Mimitin, mitochondrial (B17.2-like) (B17.2L) (Myc-induced mitochondrial protein) (M	169 NDUFAF2	2	2	2	16	19.856
Q8N4C8	MINK1_HUMAN	Misshapen-like kinase 1 (EC 2.7.11.1) (GCK family kinase MINK) (MAPK/ERK kina	1332 MINK1	5	5	5	5.6	149.82
Q8IXI2	MIRO1_HUMAN	Mitochondrial Rho GTPase 1 (MIRO-1) (hMiro-1) (EC 3.6.5.-) (Rac-GTP-binding pr	618 RHOT1	1	1	1	2.6	70.783
Q8IXI1	MIRO2_HUMAN	Mitochondrial Rho GTPase 2 (MIRO-2) (hMiro-2) (EC 3.6.5.-) (Ras homolog gene f	618 RHOT2	3	3	3	7.8	68.117
P21741	MK_HUMAN	Midkine (MK) (Amphiregulin-associated protein) (ARAP) (Midgestation and kidney f	143 MDK	2	2	2	18.2	15.585
P28482	MK01_HUMAN	Mitogen-activated protein kinase 1 (MAP kinase 1) (MAPK 1) (EC 2.7.11.24) (ERT1	360 MAPK1	15	15	12	41.9	41.389
P27361	MK03_HUMAN	Mitogen-activated protein kinase 3 (MAP kinase 3) (MAPK 3) (EC 2.7.11.24) (ERT2	379 MAPK3	12	9	9	35.4	43.135
O15264	MK13_HUMAN	Mitogen-activated protein kinase 13 (MAP kinase 13) (MAPK 13) (EC 2.7.11.24) (M	365 MAPK13	1	1	1	4.4	42.089
Q16539	MK14_HUMAN	Mitogen-activated protein kinase 14 (MAP kinase 14) (MAPK 14) (EC 2.7.11.24) (C	360 MAPK14	5	5	5	15	41.293
Q9BYG3	MK671_HUMAN	MKI67 FHA domain-interacting nucleolar phosphoprotein (Nucleolar phosphoprotei	293 NIFK	1	1	1	7.8	34.222
P19105	ML12A_HUMAN	Myosin regulatory light chain 12A (Epididymis secretory protein Li 24) (HEL-S-24) (	171 MYL12A	8	2	2	55	19.794
Q14165	MLEC_HUMAN	Malectin	292 MLEC	6	6	6	20.9	32.233
Q9NYL2	MLTK_HUMAN	Mitogen-activated protein kinase kinase MLT (EC 2.7.11.25) (Human cervic	800 ZAK	3	3	3	4.6	91.154
Q96EY8	MMAB_HUMAN	Cob(II)yrinic acid a,c-diamide adenosyltransferase, mitochondrial (EC 2.5.1.17) (Co	250 MMAB	6	6	6	30	27.388
P50281	MMP14_HUMAN	Matrix metalloproteinase-14 (MMP-14) (EC 3.4.24.80) (MMP-X1) (Membrane-type 1	582 MMP14	1	1	1	1.9	65.893
P08253	MMP2_HUMAN	72 kDa type IV collagenase (EC 3.4.24.24) (72 kDa gelatinase) (Gelatinase A) (Ma	660 MMP2	1	1	1	1.4	73.881
O75900	MMP23_HUMAN	Matrix metalloproteinase-23 (MMP-23) (EC 3.4.24.-) (Femalysin) (MIFR-1) (Matrix r	390 MMP23A	1	1	1	3.1	43.934
Q13201	MMRN1_HUMAN	Multimerin-1 (EMILIN-4) (Elastin microfibril interface located protein 4) (Elastin micr	1228 MMRN1	10	10	10	9	138.11
Q9H8L6	MMRN2_HUMAN	Multimerin-2 (EMILIN-3) (Elastin microfibril interface located protein 3) (Elastin micr	949 MMRN2	12	12	12	16.3	104.41
Q96T76	MMS19_HUMAN	MMS19 nucleotide excision repair protein homolog (hMMS19) (MET18 homolog) (N	1030 MMS19	2	2	2	2.5	113.29
Q02252	MMSA_HUMAN	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial (MMSDH)	535 ALDH6A1	17	17	17	39.8	57.839
P41218	MNDA_HUMAN	Myeloid cell nuclear differentiation antigen	407 MNDA	6	6	6	18.4	45.836
Q9H8S9	MOB1A_HUMAN	MOB kinase activator 1A (Mob1 alpha) (Mob1A) (Mob1 homolog 1B) (Mps one binc	216 MOB1A	2	2	2	12	25.079

O96007	MOC2B_HUMAN	Molybdopterin synthase catalytic subunit (EC 2.8.1.12) (MOCO1-B) (Molybdenum c	188	MOCS2	2	2	2	13.8	20.944
Q9NZB8	MOC51_HUMAN	Molybdenum cofactor biosynthesis protein 1 (Cell migration-inducing gene 11 prote	636	MOCS1	1	1	1	1.3	70.104
O95396	MOCS3_HUMAN	Adenylyltransferase and sulfurtransferase MOCS3 (Molybdenum cofactor synthesis	460	MOCS3	1	1	1	2.2	49.669
P26038	MOES_HUMAN	Moesin (Membrane-organizing extension spike protein)	577	MSN	43	43	35	69.3	67.819
Q13724	MOGS_HUMAN	Mannosyl-oligosaccharide glucosidase (EC 3.2.1.106) (Processing A-glucosidase I	837	MOGS	6	6	6	7	91.916
P53985	MOT1_HUMAN	Monocarboxylate transporter 1 (MCT 1) (Solute carrier family 16 member 1)	500	SLC16A1	3	3	3	7.6	53.944
O60669	MOT2_HUMAN	Monocarboxylate transporter 2 (MCT 2) (Solute carrier family 16 member 7)	478	SLC16A7	6	6	6	9.6	52.2
P36021	MOT8_HUMAN	Monocarboxylate transporter 8 (MCT 8) (Monocarboxylate transporter 7) (MCT 7) (	539	SLC16A2	1	1	1	2.4	59.511
Q02750	MP2K1_HUMAN	Dual specificity mitogen-activated protein kinase kinase 1 (MAP kinase kinase 1) (	393	MAP2K1	4	2	2	11.2	43.439
P36507	MP2K2_HUMAN	Dual specificity mitogen-activated protein kinase kinase 2 (MAP kinase kinase 2) (	400	MAP2K2	5	5	3	11.2	44.424
P46734	MP2K3_HUMAN	Dual specificity mitogen-activated protein kinase kinase 3 (MAP kinase kinase 3) (	347	MAP2K3	5	5	3	18.2	39.318
P45985	MP2K4_HUMAN	Dual specificity mitogen-activated protein kinase kinase 4 (MAP kinase kinase 4) (	399	MAP2K4	2	2	2	6.8	44.287
P52564	MP2K6_HUMAN	Dual specificity mitogen-activated protein kinase kinase 6 (MAP kinase kinase 6) (	334	MAP2K6	3	1	1	9.3	37.492
O95563	MPC2_HUMAN	Mitochondrial pyruvate carrier 2 (Brain protein 44)	127	MPC2	2	2	2	11.8	14.279
Q00325	MPCP_HUMAN	Phosphate carrier protein, mitochondrial (Phosphate transport protein) (PTP) (Solut	362	SLC25A3	9	9	9	22.9	40.094
O75970	MPDZ_HUMAN	Multiple PDZ domain protein (Multi-PDZ domain protein 1)	2070	MPDZ	2	2	2	1.4	221.62
P34949	MPI_HUMAN	Mannose-6-phosphate isomerase (EC 5.3.1.8) (Phosphohexomutase) (Phosphome	423	MPI	2	2	2	8.7	46.655
Q5T2T1	MPP7_HUMAN	MAGUK p55 subfamily member 7	576	MPP7	2	2	2	4.3	65.523
Q10713	MPPA_HUMAN	Mitochondrial-processing peptidase subunit alpha (EC 3.4.24.64) (Alpha-MPP) (P-ε	525	PMPCA	2	2	2	3.2	58.252
O75439	MPPB_HUMAN	Mitochondrial-processing peptidase subunit beta (EC 3.4.24.64) (Beta-MPP) (P-52)	489	PMPCB	5	4	4	12.5	54.366
P20645	MPRD_HUMAN	Cation-dependent mannose-6-phosphate receptor (CD Man-6-P receptor) (CD-MPI	277	M6PR	5	5	5	26.7	30.993
P11717	MPRI_HUMAN	Cation-independent mannose-6-phosphate receptor (CI Man-6-P receptor) (CI-MPF	2491	IGF2R	11	11	11	5.3	274.37
Q6WQC1	MPRIIP_HUMAN	Myosin phosphatase Rho-interacting protein (M-RIP) (Rho-interacting protein 3) (R	1025	MPRIIP	14	14	14	18.1	116.53
O75352	MPU1_HUMAN	Mannose-P-dolichol utilization defect 1 protein (Suppressor of Lec15 and Lec35 gly	247	MPDU1	1	1	1	4	26.638
P39210	MPV17_HUMAN	Protein Mpv17	176	MPV17	2	2	2	17	19.733
O95297	MPZL1_HUMAN	Myelin protein zero-like protein 1 (Protein zero-related)	269	MPZL1	3	3	3	12.6	29.082
P22897	MRC1_HUMAN	Macrophage mannose receptor 1 (MMR) (C-type lectin domain family 13 member C	1456	MRC1	17	17	17	13.9	166.01
Q9UBG0	MRC2_HUMAN	C-type mannose receptor 2 (C-type lectin domain family 13 member E) (Endocytic	1479	MRC2	10	10	10	9.3	166.67
Q5VT25	MRCKA_HUMAN	Serine/threonine-protein kinase MRCK alpha (EC 2.7.11.1) (CDC42-binding protei	1732	CDC42BPA	4	2	2	1.8	197.3
Q9Y5S2	MRCKB_HUMAN	Serine/threonine-protein kinase MRCK beta (EC 2.7.11.1) (CDC42-binding protei	1711	CDC42BPB	7	7	5	4.6	194.31
P49959	MRE11_HUMAN	Double-strand break repair protein MRE11A (Meiotic recombination 11 homolog 1)	708	MRE11A	6	6	6	10.7	80.592
Q96AM1	MRGRF_HUMAN	Mas-related G-protein coupled receptor member F (Mas-related gene F protein) (G	343	MRGPRF	3	3	3	14.6	38.171
P49006	MRP_HUMAN	MARCKS-related protein (MARCKS-like protein 1) (Macrophage myristoylated alan	195	MARCKSL1	3	3	3	33.8	19.529
P33527	MRP1_HUMAN	Multidrug resistance-associated protein 1 (ATP-binding cassette sub-family C mem	1531	ABCC1	2	2	2	1.9	171.59
Q7L0Y3	MRRP1_HUMAN	Mitochondrial ribonuclease P protein 1 (Mitochondrial RNase P protein 1) (EC 2.1.1	403	TRMT10C	3	3	3	10.9	47.346
Q9UKD2	MRT4_HUMAN	mRNA turnover protein 4 homolog (Ribosome assembly factor MRTO4)	239	MRTO4	1	1	1	5.4	27.56
Q9Y6F6	MRV1_HUMAN	Protein MRV1 (Inositol 1,4,5-trisphosphate receptor-associated cGMP kinase subs	885	MRV1	12	12	12	14.5	96.144
P43246	MSH2_HUMAN	DNA mismatch repair protein Msh2 (hMSH2) (MutS protein homolog 2)	934	MSH2	3	3	3	3.2	104.74
P52701	MSH6_HUMAN	DNA mismatch repair protein Msh6 (hMSH6) (G/T mismatch-binding protein) (GTB	1360	MSH6	1	1	1	0.9	152.78
Q96DH6	MSI2_HUMAN	RNA-binding protein Musashi homolog 2 (Musashi-2)	328	MSI2	4	4	4	16.8	35.196
Q13421	MSLN_HUMAN	Mesothelin (CAK1 antigen) (Pre-pro-megakaryocyte-potentiating factor) [Cleaved ir	630	MSLN	6	6	6	9.7	68.985
Q8NHP6	MSPD2_HUMAN	Motile sperm domain-containing protein 2	518	MOSPD2	2	2	2	3.3	59.745
Q8IXL7	MSRB3_HUMAN	Methionine-R-sulfoxide reductase B3 (MsrB3) (EC 1.8.4.-)	192	MSRB3	2	2	2	10.9	20.702
Q8IVN3	MSTN1_HUMAN	Musculoskeletal embryonic nuclear protein 1	82	MUSTN1	3	3	2	32.9	8.911
O94776	MTA2_HUMAN	Metastasis-associated protein MTA2 (Metastasis-associated 1-like 1) (MTA1-L1 pro	668	MTA2	3	3	3	4	75.022
Q13126	MTAP_HUMAN	S-methyl-5'-thioadenosine phosphorylase (EC 2.4.2.28) (5'-methylthioadenosine ph	283	MTAP	6	6	6	31.4	31.236
P11137	MTAP2_HUMAN	Microtubule-associated protein 2 (MAP-2)	1827	MAP2	4	4	4	2.3	199.52
Q9NZJ7	MTCH1_HUMAN	Mitochondrial carrier homolog 1 (Presenilin-associated protein)	389	MTCH1	5	5	5	14.7	41.544
Q9Y6C9	MTCH2_HUMAN	Mitochondrial carrier homolog 2 (Met-induced mitochondrial protein)	303	MTCH2	2	2	2	5.9	33.331
O95248	MTMR5_HUMAN	Myotubularin-related protein 5 (SET-binding factor 1) (Sbf1)	1867	SBF1	4	4	4	2.7	208.31
Q9Y217	MTMR6_HUMAN	Myotubularin-related protein 6 (EC 3.1.3.-)	621	MTMR6	1	1	1	1.8	71.967
Q96QG7	MTMR9_HUMAN	Myotubularin-related protein 9	549	MTMR9	2	2	2	2.9	63.461

Q9C011	MTMRC_HUMAN	Myotubularin-related protein 12 (Phosphatidylinositol 3 phosphate 3-phosphatase a	747	MTMR12	1	1	1	1.3	86.147
Q9BV20	MTNA_HUMAN	Methylthioribose-1-phosphate isomerase (M1Pi) (MTR-1-P isomerase) (EC 5.3.1.2)	369	MRI1	2	2	2	8.1	39.149
Q96GX9	MTNB_HUMAN	Methylthioribulose-1-phosphate dehydratase (MTRu-1-P dehydratase) (EC 4.2.1.1)	242	APIP	3	3	3	14	27.125
P42345	MTOR_HUMAN	Serine/threonine-protein kinase mTOR (EC 2.7.11.1) (FK506-binding protein 12-rap	2549	MTOR	2	2	2	1.1	288.89
P58546	MTPN_HUMAN	Myotrophin (Protein V-1)	118	MTPN	3	3	3	33.1	12.895
Q8N3F0	MTURN_HUMAN	Maturin (Maturin neural progenitor differentiation regulator protein homolog) (Protei	131	MTURN	2	2	2	15.3	14.925
Q13505	MTX1_HUMAN	Metaxin-1 (Mitochondrial outer membrane import complex protein 1)	466	MTX1	2	2	2	6.4	51.476
O75431	MTX2_HUMAN	Metaxin-2 (Mitochondrial outer membrane import complex protein 2)	263	MTX2	2	2	2	11	29.763
Q8WX17	MUC16_HUMAN	Mucin-16 (MUC-16) (Ovarian cancer-related tumor marker CA125) (CA-125) (Ovari	14507	MUC16	1	1	1	0.1	1519.2
P43121	MUC18_HUMAN	Cell surface glycoprotein MUC18 (Cell surface glycoprotein P1H12) (Melanoma cel	646	MCAM	23	23	23	35.9	71.607
Q9ULC0	MUCEN_HUMAN	Endomucin (Endomucin-2) (Gastric cancer antigen Ga34) (Mucin-14) (MUC-14)	261	EMCN	1	1	1	3.4	27.452
P22033	MUTA_HUMAN	Methylmalonyl-CoA mutase, mitochondrial (MCM) (EC 5.4.99.2) (Methylmalonyl-Co	750	MUT	10	10	10	16.9	83.134
P53602	MVD1_HUMAN	Diphosphomevalonate decarboxylase (EC 4.1.1.33) (Mevalonate (diphospho)decar	400	MVD	1	1	1	3.2	43.404
Q14764	MVP_HUMAN	Major vault protein (MVP) (Lung resistance-related protein)	893	MVP	24	24	24	36.2	99.326
P20591	MX1_HUMAN	Interferon-induced GTP-binding protein Mx1 (Interferon-induced protein p78) (IFI-7	662	MX1	13	13	11	25.1	75.519
P20592	MX2_HUMAN	Interferon-induced GTP-binding protein Mx2 (Interferon-regulated resistance GTP-b	715	MX2	5	3	3	9.8	82.088
Q9NR99	MXRA5_HUMAN	Matrix-remodeling-associated protein 5 (Adhesion protein with leucine-rich repeats	2828	MXRA5	1	1	1	0.3	312.15
P84157	MXRA7_HUMAN	Matrix-remodeling-associated protein 7 (Transmembrane anchor protein 1)	204	MXRA7	8	8	8	42.2	21.466
Q92614	MY18A_HUMAN	Unconventional myosin-XVIIIa (Molecule associated with JAK3 N-terminus) (MAJN	2054	MYO18A	7	7	7	4.1	233.11
Q96S97	MYADM_HUMAN	Myeloid-associated differentiation marker (Protein SB135)	322	MYADM	3	3	3	13.7	35.273
O75592	MYCB2_HUMAN	E3 ubiquitin-protein ligase MYCBP2 (EC 2.3.2.27) (Myc-binding protein 2) (Pam/hic	4640	MYCBP2	2	2	2	0.3	510.08
Q99417	MYCBP_HUMAN	C-Myc-binding protein (Associate of Myc 1) (AMY-1)	103	MYCBP	2	2	2	19.4	11.967
Q969H8	MYDGF_HUMAN	Myeloid-derived growth factor (MYDGF) (Interleukin-25) (IL-25) (Stromal cell-derive	173	MYDGF	2	2	2	15.6	18.795
P02144	MYG_HUMAN	Myoglobin	154	MB	1	1	1	5.2	17.184
Q9HB07	MYG1_HUMAN	UPF0160 protein MYG1, mitochondrial	376	C12orf10	3	3	3	10.9	42.449
P35580	MYH10_HUMAN	Myosin-10 (Cellular myosin heavy chain, type B) (Myosin heavy chain 10) (Myosin	1976	MYH10	102	73	71	47.6	229
P35749	MYH11_HUMAN	Myosin-11 (Myosin heavy chain 11) (Myosin heavy chain, smooth muscle isoform)	1972	MYH11	151	151	121	65.8	227.34
Q7Z406	MYH14_HUMAN	Myosin-14 (Myosin heavy chain 14) (Myosin heavy chain, non-muscle IIc) (Non-mu	1995	MYH14	16	4	4	7.2	227.87
P35579	MYH9_HUMAN	Myosin-9 (Cellular myosin heavy chain, type A) (Myosin heavy chain 9) (Myosin he	1960	MYH9	131	112	103	60.2	226.53
P05976	MYL1_HUMAN	Myosin light chain 1/3, skeletal muscle isoform (MLC1/MLC3) (MLC1F/MLC3F) (My	194	MYL1	1	1	1	6.2	21.145
P12829	MYL4_HUMAN	Myosin light chain 4 (Myosin light chain 1, embryonic muscle/atrial isoform) (Myosin	197	MYL4	1	1	1	6.6	21.564
P60660	MYL6_HUMAN	Myosin light polypeptide 6 (17 kDa myosin light chain) (LC17) (Myosin light chain 3	151	MYL6	9	9	9	60.3	16.93
P24844	MYL9_HUMAN	Myosin regulatory light polypeptide 9 (20 kDa myosin light chain) (LC20) (MLC-2C)	172	MYL9	9	9	3	66.3	19.827
Q15746	MYLK_HUMAN	Myosin light chain kinase, smooth muscle (MLCK) (smMLCK) (EC 2.7.11.18) (Kina	1914	MYLK	35	35	35	19	210.71
O43795	MYO1B_HUMAN	Unconventional myosin-Ib (MYH-1c) (Myosin I alpha) (MMI-alpha) (MMIa)	1136	MYO1B	10	10	9	9.1	131.98
O00159	MYO1C_HUMAN	Unconventional myosin-Ic (Myosin I beta) (MMI-beta) (MMIb)	1063	MYO1C	47	47	44	47.3	121.68
O94832	MYO1D_HUMAN	Unconventional myosin-I d	1006	MYO1D	21	21	21	21.3	116.2
Q12965	MYO1E_HUMAN	Unconventional myosin-Ie (Myosin-Ic) (Unconventional myosin 1E)	1108	MYO1E	3	3	3	2.8	127.06
Q9UM54	MYO6_HUMAN	Unconventional myosin-VI (Unconventional myosin-6)	1294	MYO6	4	4	4	3.2	149.69
Q13459	MYO9B_HUMAN	Unconventional myosin-IXb (Unconventional myosin-9b)	2157	MYO9B	3	3	3	1.9	243.4
Q99972	MYOC_HUMAN	Myocilin (Myocilin 55 kDa subunit) (Trabecular meshwork-induced glucocorticoid re	504	MYOC	7	7	7	13.9	56.971
Q9NZM1	MYOF_HUMAN	Myoferlin (Fer-1-like protein 3)	2061	MYOF	47	47	44	27.3	234.71
Q9NP98	MYOZ1_HUMAN	Myozenin-1 (Calsarcin-2) (Filamin-, actinin- and telethonin-binding protein) (Protein	299	MYOZ1	3	3	3	14.7	31.744
P25189	MYP0_HUMAN	Myelin protein P0 (Myelin peripheral protein) (MPP) (Myelin protein zero)	248	MPZ	6	6	6	24.6	27.554
P60201	MYPR_HUMAN	Myelin proteolipid protein (PLP) (Lipophilin)	277	PLP1	2	2	2	6.1	30.077
O14974	MYPT1_HUMAN	Protein phosphatase 1 regulatory subunit 12A (Myosin phosphatase-targeting subu	1030	PPP1R12A	32	32	31	32.3	115.28
O60237	MYPT2_HUMAN	Protein phosphatase 1 regulatory subunit 12B (Myosin phosphatase-targeting subu	982	PPP1R12B	6	5	5	6.6	110.4
Q8WU39	MZB1_HUMAN	Marginal zone B- and B1-cell-specific protein (Mesenteric estrogen-dependent adip	189	MZB1	1	1	1	11.6	20.694
Q9BXJ9	NAA15_HUMAN	N-alpha-acetyltransferase 15, NatA auxiliary subunit (Gastric cancer antigen Ga19)	866	NAA15	3	3	3	2.5	101.27
Q9GZZ1	NAA50_HUMAN	N-alpha-acetyltransferase 50 (EC 2.3.1.-) (N-acetyltransferase 13) (N-acetyltransfe	169	NAA50	3	3	3	20.1	19.398
Q13765	NACA_HUMAN	Nascent polypeptide-associated complex subunit alpha (NAC-alpha) (Alpha-NAC) (	215	NACA	4	4	4	22.8	23.384
Q15274	NADC_HUMAN	Nicotinate-nucleotide pyrophosphorylase [carboxylating] (EC 2.4.2.19) (Quinolinat	297	QPR1	2	2	2	7.7	30.845

P17050	NAGAB_HUMAN	Alpha-N-acetylgalactosaminidase (EC 3.2.1.49) (Alpha-galactosidase B)	411	NAGA	2	2	2	5.6	46.564
Q9UJ70	NAGK_HUMAN	N-acetyl-D-glucosamine kinase (N-acetylglucosamine kinase) (EC 2.7.1.59) (GlcNA	344	NAGK	9	9	9	33.7	37.375
Q4G0N4	NAKD2_HUMAN	NAD kinase 2, mitochondrial (EC 2.7.1.23) (Mitochondrial NAD kinase) (NAD kinas	442	NADK2	5	5	5	14	49.432
P43490	NAMPT_HUMAN	Nicotinamide phosphoribosyltransferase (NAmPRTase) (Nampt) (EC 2.4.2.12) (Pre	491	NAMPT	14	14	14	33.4	55.52
Q9H6Q4	NARFL_HUMAN	Cytosolic Fe-S cluster assembly factor NARFL (Iron-only hydrogenase-like protein	476	NARFL	1	1	1	2.3	53.02
P49321	NASP_HUMAN	Nuclear autoantigenic sperm protein (NASP)	788	NASP	5	5	5	7.2	85.237
Q9UHQ9	NB5R1_HUMAN	NADH-cytochrome b5 reductase 1 (b5R.1) (EC 1.6.2.2) (Humb5R2) (NAD(P)H:quir	305	CYB5R1	7	7	7	25.6	34.094
P00387	NB5R3_HUMAN	NADH-cytochrome b5 reductase 3 (B5R) (Cytochrome b5 reductase) (EC 1.6.2.2) (	301	CYB5R3	10	10	10	37.2	34.234
A2RRP1	NBAS_HUMAN	Neuroblastoma-amplified sequence (Neuroblastoma-amplified gene protein)	2371	NBAS	2	2	2	0.8	268.57
Q14919	NC2A_HUMAN	Dr1-associated corepressor (Dr1-associated protein 1) (Negative cofactor 2-alpha)	205	DRAP1	2	2	2	14.6	22.35
P13591	NCAM1_HUMAN	Neural cell adhesion molecule 1 (N-CAM-1) (NCAM-1) (CD antigen CD56)	858	NCAM1	9	9	9	13.1	94.573
Q69YL0	NCAS2_HUMAN	Uncharacterized protein NCBP2-AS2 (NCBP2 antisense RNA 2) (NCBP2 antisense	99	NCBP2-AS2	1	1	1	11.1	10.89
Q09161	NCBP1_HUMAN	Nuclear cap-binding protein subunit 1 (80 kDa nuclear cap-binding protein) (CBP80	790	NCBP1	1	1	1	1.5	91.838
Q9UBB6	NCDN_HUMAN	Neurochondrin	729	NCDN	1	1	1	1.1	78.863
Q6PIU2	NCEH1_HUMAN	Neutral cholesterol ester hydrolase 1 (NCEH) (EC 3.1.1.-) (Arylacetamide deacetyl	408	NCEH1	4	4	4	14.7	45.807
P19878	NCF2_HUMAN	Neutrophil cytosol factor 2 (NCF-2) (67 kDa neutrophil oxidase factor) (NADPH oxi	526	NCF2	1	1	1	3.6	59.761
O00533	NCHL1_HUMAN	Neural cell adhesion molecule L1-like protein (Close homolog of L1) [Cleaved into:	1208	CHL1	6	6	6	6.1	135.07
P16333	NCK1_HUMAN	Cytoplasmic protein NCK1 (NCK adaptor protein 1) (Nck-1) (SH2/SH3 adaptor prot	377	NCK1	4	4	4	10.6	42.864
Q9Y2A7	NCKP1_HUMAN	Nck-associated protein 1 (NAP 1) (Membrane-associated protein HEM-2) (p125Na	1128	NCKAP1	12	12	12	9.4	128.79
Q969V3	NCLN_HUMAN	Nicalin (Nicastrin-like protein)	563	NCLN	4	4	4	10.5	62.974
P16435	NCPR_HUMAN	NADPH--cytochrome P450 reductase (CPR) (P450R) (EC 1.6.2.4)	677	POR	8	8	8	16.8	76.689
Q13232	NDK3_HUMAN	Nucleoside diphosphate kinase 3 (NDK 3) (NDP kinase 3) (EC 2.7.4.6) (DR-nm23)	169	NME3	4	4	4	18.3	19.015
O60361	NDK8_HUMAN	Putative nucleoside diphosphate kinase (NDK) (NDP kinase) (EC 2.7.4.6)	137	NME2P1	4	1	1	32.1	15.529
P15531	NDKA_HUMAN	Nucleoside diphosphate kinase A (NDK A) (NDP kinase A) (EC 2.7.4.6) (Granzyme	152	NME1	4	1	1	30.9	17.149
P22392	NDKB_HUMAN	Nucleoside diphosphate kinase B (NDK B) (NDP kinase B) (EC 2.7.4.6) (C-myc pu	152	NME2	7	7	2	50	17.298
Q92597	NDRG1_HUMAN	Protein NDRG1 (Differentiation-related gene 1 protein) (DRG-1) (N-myc downstrea	394	NDRG1	7	7	7	28.9	42.835
Q9UN36	NDRG2_HUMAN	Protein NDRG2 (N-myc downstream-regulated gene 2 protein) (Protein Syld70961	371	NDRG2	5	5	5	25.3	40.798
Q9UGV2	NDRG3_HUMAN	Protein NDRG3 (N-myc downstream-regulated gene 3 protein)	375	NDRG3	1	1	1	5.9	41.408
Q9ULP0	NDRG4_HUMAN	Protein NDRG4 (Brain development-related molecule 1) (N-myc downstream-regul	352	NDRG4	1	1	1	4	38.458
O43678	NDUA2_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2 (Complex I-B8) (	99	NDUFA2	5	5	5	56.6	10.921
O95167	NDUA3_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 3 (Complex I-B9) (	84	NDUFA3	2	2	2	41.7	9.2787
O00483	NDUA4_HUMAN	Cytochrome c oxidase subunit NDUFA4 (Complex I-MLRQ) (CI-MLRQ) (NADH-ubi	81	NDUFA4	5	5	5	55.6	9.3697
Q16718	NDUA5_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5 (Complex I subu	116	NDUFA5	5	5	5	44	13.459
P56556	NDUA6_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 6 (Complex I-B14)	154	NDUFA6	1	1	1	10.4	17.871
O95182	NDUA7_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7 (Complex I-B14.	113	NDUFA7	5	5	5	47.8	12.551
P51970	NDUA8_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8 (Complex I-19kE	172	NDUFA8	2	2	2	13.4	20.105
Q16795	NDUA9_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial (C	377	NDUFA9	6	6	6	22	42.509
O95299	NDUAA_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial	355	NDUFA10	10	10	10	25.9	40.75
Q86Y39	NDUAB_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 11 (Complex I-B14	141	NDUFA11	1	1	1	16.3	14.852
Q9UI09	NDUAC_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12 (13 kDa differe	145	NDUFA12	4	4	4	31.7	17.114
Q9P0J0	NDUAD_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13 (Cell death reg	144	NDUFA13	4	4	4	25.7	16.698
O75438	NDUB1_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 1 (Complex I-MNLL	58	NDUFB1	1	1	1	19	6.9611
O43676	NDUB3_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3 (Complex I-B12)	98	NDUFB3	1	1	1	11.2	11.402
O95168	NDUB4_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4 (Complex I-B15)	129	NDUFB4	4	4	4	31	15.208
O43674	NDUB5_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 5, mitochondrial (C	189	NDUFB5	2	2	2	16.9	21.75
O95139	NDUB6_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 6 (Complex I-B17)	128	NDUFB6	2	2	2	19.5	15.489
P17568	NDUB7_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7 (Cell adhesion pr	137	NDUFB7	2	2	2	13.9	16.402
O95169	NDUB8_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 8, mitochondrial (C	186	NDUFB8	2	2	2	16.1	21.766
Q9Y6M9	NDUB9_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 9 (Complex I-B22)	179	NDUFB9	4	4	4	22.3	21.831
O96000	NDUBA_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10 (Complex I-PDS	172	NDUFB10	6	6	6	35.5	20.776
Q9NX14	NDUBB_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochondrial (C	153	NDUFB11	3	3	3	26.8	17.316
O95298	NDUC2_HUMAN	NADH dehydrogenase [ubiquinone] 1 subunit C2 (Complex I-B14.5b) (CI-B14.5b) (	119	NDUFC2	5	5	5	35.3	14.187

P28331	NDUS1_HUMAN	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial (EC 1.6.5.3) (EC	727	NDUFS1	19	19	19	36.6	79.467
O75306	NDUS2_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial (EC 1.6.5.3)	463	NDUFS2	8	8	8	21.8	52.545
O75489	NDUS3_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial (EC 1.6.5.3)	264	NDUFS3	12	12	12	50.8	30.241
O43181	NDUS4_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 4, mitochondrial (Complex I-	175	NDUFS4	3	3	3	20	20.108
O43920	NDUS5_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 5 (Complex I-15 kDa) (CI-15	106	NDUFS5	3	3	3	33	12.517
O75251	NDUS7_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial (EC 1.6.5.3)	213	NDUFS7	2	2	2	9.9	23.563
O00217	NDUS8_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial (EC 1.6.5.3)	210	NDUFS8	5	5	5	25.7	23.705
P49821	NDUV1_HUMAN	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial (EC 1.6.5.3) (EC	464	NDUFV1	12	12	12	34.5	50.817
P19404	NDUV2_HUMAN	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial (EC 1.6.5.3) (EC	249	NDUFV2	6	6	6	22.5	27.391
Q96SB3	NEB2_HUMAN	Neurabin-2 (Neurabin-II) (Protein phosphatase 1 regulatory subunit 9B) (Spinophilin	815	PPP1R9B	4	4	4	5.2	89.191
Q9NVZ3	NECP2_HUMAN	Adaptin ear-binding coat-associated protein 2 (NECAP endocytosis-associated prot	263	NECAP2	2	2	2	11	28.338
Q96PU5	NED4L_HUMAN	E3 ubiquitin-protein ligase NEDD4-like (EC 2.3.2.26) (HECT-type E3 ubiquitin trans	975	NEDD4L	2	2	2	2.1	111.93
P46934	NEDD4_HUMAN	E3 ubiquitin-protein ligase NEDD4 (EC 2.3.2.26) (Cell proliferation-inducing gene 5	1319	NEDD4	1	1	1	1	149.11
Q15843	NEDD8_HUMAN	NEDD8 (Neddylin) (Neural precursor cell expressed developmentally down-regulat	81	NEDD8	2	2	2	17.3	9.0714
Q7Z3B1	NEGR1_HUMAN	Neuronal growth regulator 1 (IgLON family member 4)	354	NEGR1	4	4	4	15.5	38.719
Q8TDX7	NEK7_HUMAN	Serine/threonine-protein kinase Nek7 (EC 2.7.11.1) (Never in mitosis A-related kin	302	NEK7	2	2	2	5.6	34.551
Q8TD19	NEK9_HUMAN	Serine/threonine-protein kinase Nek9 (EC 2.7.11.1) (Nercc1 kinase) (Never in mito	979	NEK9	5	5	5	5.1	107.17
Q8IXH7	NELFD_HUMAN	Negative elongation factor C/D (NELF-C/D) (TH1-like protein)	590	NELFCD	2	2	2	5.6	66.246
O60524	NEMF_HUMAN	Nuclear export mediator factor NEMF (Antigen NY-CO-1) (Serologically defined col	1076	NEMF	2	2	2	2.3	122.95
Q9Y6K9	NEMO_HUMAN	NF-kappa-B essential modulator (NEMO) (FIP-3) (Ikb kinase-associated protein 1)	419	IKBKG	1	1	1	3.8	48.197
Q9UMX5	NENF_HUMAN	Neudesin (Cell immortalization-related protein 2) (Neuron-derived neurotrophic fact	172	NENF	3	3	3	20.3	18.856
Q92859	NEO1_HUMAN	Neogenin (Immunoglobulin superfamily DCC subclass member 2)	1461	NEO1	1	1	1	1	160.01
P08473	NEP_HUMAN	Nepriylsin (EC 3.4.24.11) (Atriopeptidase) (Common acute lymphocytic leukemia a	750	MME	3	3	3	4.4	85.513
P48681	NEST_HUMAN	Nestin	1621	NES	43	43	43	31.6	177.44
Q9HB63	NET4_HUMAN	Netrin-4 (Beta-netrin) (Hepar-derived netrin-like protein)	628	NTN4	3	3	3	5.3	70.07
Q8NFW8	NEUA_HUMAN	N-acetylneuraminyl transferase (EC 2.7.7.43) (CMP-N-acetylneuraminic aci	434	CMAS	4	4	4	10.1	48.379
Q9BYT8	NEUL_HUMAN	Neurolysin, mitochondrial (EC 3.4.24.16) (Angiotensin-binding protein) (Microsoma	704	NLN	2	2	2	3	80.651
P17677	NEUM_HUMAN	Neuromodulin (Axonal membrane protein GAP-43) (Growth-associated protein 43)	238	GAP43	4	4	4	26.9	24.802
Q0ZGT2	NEXN_HUMAN	Nexilin (F-actin-binding protein) (Nelin)	675	NEXN	18	18	18	26.2	80.657
P12036	NFH_HUMAN	Neurofilament heavy polypeptide (NF-H) (200 kDa neurofilament protein) (Neurofila	1026	NEFH	5	3	3	5.7	112.48
Q12857	NFIA_HUMAN	Nuclear factor 1 A-type (NF1-A) (Nuclear factor 1/A) (CCAAT-box-binding transcrip	509	NFIA	4	2	1	8.3	55.944
O00712	NFIB_HUMAN	Nuclear factor 1 B-type (NF1-B) (Nuclear factor 1/B) (CCAAT-box-binding transcrip	420	NFIB	3	1	1	7.9	47.441
P08651	NFIC_HUMAN	Nuclear factor 1 C-type (NF1-C) (Nuclear factor 1/C) (CCAAT-box-binding transcrip	508	NFIC	3	2	2	6.9	55.674
Q14938	NFIX_HUMAN	Nuclear factor 1 X-type (NF1-X) (Nuclear factor 1/X) (CCAAT-box-binding transcrip	502	NFIX	5	5	3	12.5	55.098
P19838	NFKB1_HUMAN	Nuclear factor NF-kappa-B p105 subunit (DNA-binding factor KBF1) (EBP-1) (Nucl	968	NFKB1	4	4	4	5.5	105.35
P07196	NFL_HUMAN	Neurofilament light polypeptide (NF-L) (68 kDa neurofilament protein) (Neurofilame	543	NEFL	7	6	6	12	61.516
P07197	NFM_HUMAN	Neurofilament medium polypeptide (NF-M) (160 kDa neurofilament protein) (Neurofil	916	NEFM	8	7	7	9.5	102.47
Q9UMS0	NFU1_HUMAN	NFU1 iron-sulfur cluster scaffold homolog, mitochondrial (HIRA-interacting protein f	254	NFU1	1	1	1	3.9	28.462
P80188	NGAL_HUMAN	Neutrophil gelatinase-associated lipocalin (NGAL) (25 kDa alpha-2-microglobulin-re	198	LCN2	2	2	2	11.1	22.588
Q9UJF2	NGAP_HUMAN	Ras GTPase-activating protein nGAP (RAS protein activator-like 2)	1139	RASAL2	2	2	2	1.9	128.56
P55769	NH2L1_HUMAN	NHP2-like protein 1 (High mobility group-like nuclear protein 2 homolog 1) (OTK27)	128	SNU13	3	3	3	24.2	14.173
Q9H9Q4	NHEJ1_HUMAN	Non-homologous end-joining factor 1 (Protein cernunnos) (XRCC4-like factor)	299	NHEJ1	1	1	1	5.4	33.337
Q8NBF2	NHLC2_HUMAN	NHL repeat-containing protein 2	726	NHLRC2	7	7	7	10.1	79.443
Q9NX24	NHP2_HUMAN	H/ACA ribonucleoprotein complex subunit 2 (Nucleolar protein family A member 2)	153	NHP2	1	1	1	6.5	17.201
O14745	NHRF1_HUMAN	Na(+)/H(+) exchange regulatory cofactor NHE-RF1 (NHERF-1) (Ezrin-radixin-moes	358	SLC9A3R1	11	11	11	34.9	38.868
Q15599	NHRF2_HUMAN	Na(+)/H(+) exchange regulatory cofactor NHE-RF2 (NHERF-2) (NHE3 kinase A reg	337	SLC9A3R2	8	8	8	22.6	37.413
Q9BZQ8	NIBAN_HUMAN	Protein Niban (Cell growth-inhibiting gene 39 protein) (Protein FAM129A)	928	FAM129A	15	15	15	19.3	103.13
Q96TA1	NIBL1_HUMAN	Niban-like protein 1 (Meg-3) (Melanoma invasion by ERK) (MINERVA) (Protein FAI	746	FAM129B	5	5	5	6.4	84.137
Q92542	NICA_HUMAN	Nicastrin	709	NCSTN	2	2	2	2.8	78.41
P14543	NID1_HUMAN	Nidogen-1 (NID-1) (Entactin)	1247	NID1	45	45	44	46.7	136.38
Q14112	NID2_HUMAN	Nidogen-2 (NID-2) (Osteonidogen)	1375	NID2	36	35	35	31.2	151.25
Q9GZT8	NIF3L_HUMAN	NIF3-like protein 1 (Amyotrophic lateral sclerosis 2 chromosomal region candidate	377	NIF3L1	3	3	3	8.2	41.968

Q9BPW8	NIPS1_HUMAN	Protein NipSnap homolog 1 (NipSnap1)	284 NIPSNAP1	4	2	2	12.7	33.31
O75323	NIPS2_HUMAN	Protein NipSnap homolog 2 (NipSnap2) (Glioblastoma-amplified sequence)	286 GBAS	7	7	5	22	33.742
Q86X76	NIT1_HUMAN	Nitrilase homolog 1 (EC 3.5.-.-)	327 NIT1	6	6	6	20.8	35.896
Q9NQRA	NIT2_HUMAN	Omega-amidase NIT2 (EC 3.5.1.3) (Nitrilase homolog 2)	276 NIT2	8	8	8	35.5	30.608
Q86UT6	NLRX1_HUMAN	NLR family member X1 (Caterpillar protein 11.3) (CLR11.3) (Nucleotide-binding oligomerization domain-like receptor family NOD domain-containing protein 11)	975 NLRX1	6	6	6	9	107.61
P22307	NLTP_HUMAN	Non-specific lipid-transfer protein (NSL-TP) (EC 2.3.1.176) (Propanoyl-CoA C-acyltransferase)	547 SCP2	5	5	5	10.1	58.993
Q13287	NMI_HUMAN	N-myc-interactor (Nmi) (N-myc and STAT interactor)	307 NMI	1	1	1	4.6	35.056
Q9HAN9	NMNA1_HUMAN	Nicotinamide/nicotinic acid mononucleotide adenyltransferase 1 (NMN/NaMN adenyltransferase)	279 NMNAT1	2	2	2	11.1	31.932
Q9HBL8	NMRL1_HUMAN	NmrA-like family domain-containing protein 1	299 NMRAL1	1	1	1	4	33.344
P30419	NMT1_HUMAN	Glycylpeptide N-tetradecanoyltransferase 1 (EC 2.3.1.97) (Myristoyl-CoA:protein N-methyltransferase)	496 NMT1	7	7	7	16.3	56.806
P40261	NNMT_HUMAN	Nicotinamide N-methyltransferase (EC 2.1.1.1)	264 NNMT	9	9	9	46.2	29.574
Q8IW45	NNRD_HUMAN	ATP-dependent (S)-NAD(P)H-hydrate dehydratase (EC 4.2.1.93) (ATP-dependent NAD(P)H-hydrate dehydratase)	347 NAXD	4	4	4	19.3	36.576
Q8NCW5	NNRE_HUMAN	NAD(P)H-hydrate epimerase (EC 5.1.99.6) (Apolipoprotein A-I-binding protein) (ApoA-I-binding protein)	288 NAXE	5	5	5	25.7	31.674
Q13423	NNTM_HUMAN	NAD(P) transhydrogenase, mitochondrial (EC 1.6.1.2) (Nicotinamide nucleotide transhydrogenase)	1086 NNT	23	23	23	23.4	113.89
O60936	NOL3_HUMAN	Nucleolar protein 3 (Apoptosis repressor with CARD) (Muscle-enriched cytoplasmic protein 3)	208 NOL3	2	2	2	21.2	22.629
Q5SY16	NOL9_HUMAN	Polynucleotide 5'-hydroxyl-kinase NOL9 (EC 2.7.1.-) (Nucleolar protein 9)	702 NOL9	1	1	1	2.1	79.322
Q14978	NOLC1_HUMAN	Nucleolar and coiled-body phosphoprotein 1 (140 kDa nucleolar phosphoprotein) (Nucleolar phosphoprotein 1)	699 NOLC1	4	4	4	6	73.602
Q15155	NOMO1_HUMAN	Nodal modulator 1 (pM5 protein)	1222 NOMO1	9	9	9	9.8	134.32
Q15233	NONO_HUMAN	Non-POU domain-containing octamer-binding protein (NonO protein) (54 kDa nucleolar protein)	471 NONO	13	13	12	29.3	54.231
O00567	NOP56_HUMAN	Nucleolar protein 56 (Nucleolar protein 5A)	594 NOP56	11	11	11	22.1	66.049
Q9Y2X3	NOP58_HUMAN	Nucleolar protein 58 (Nucleolar protein 5)	529 NOP58	6	6	6	12.7	59.578
P29474	NOS3_HUMAN	Nitric oxide synthase, endothelial (EC 1.14.13.39) (Constitutive NOS) (cNOS) (EC-1.14.13.39)	1203 NOS3	2	2	2	1.9	133.29
Q9UM47	NOTC3_HUMAN	Neurogenic locus notch homolog protein 3 (Notch 3) [Cleaved into: Notch 3 extracellular domain, Notch 3 intracellular domain]	2321 NOTCH3	5	5	5	2.2	243.63
P55209	NP1L1_HUMAN	Nucleosome assembly protein 1-like 1 (NAP-1-related protein) (hNRP)	391 NAP1L1	4	3	3	13.3	45.374
Q99733	NP1L4_HUMAN	Nucleosome assembly protein 1-like 4 (Nucleosome assembly protein 2) (NAP-2)	375 NAP1L4	8	8	7	26.4	42.823
P61916	NPC2_HUMAN	Epididymal secretory protein E1 (Human epididymis-specific protein 1) (He1) (Niemann-Pick type C class B protein)	151 NPC2	3	3	3	23.2	16.57
Q8TAT6	NPL4_HUMAN	Nuclear protein localization protein 4 homolog (Protein NPL4)	608 NPLOC4	3	3	3	4.9	68.119
P06748	NPM_HUMAN	Nucleophosmin (NPM) (Nucleolar phosphoprotein B23) (Nucleolar protein NO38) (Nucleolar phosphoprotein B23)	294 NPM1	15	15	15	55.4	32.575
Q6UXI9	NPNT_HUMAN	Nephronectin (Preosteoblast EGF-like repeat protein with MAM domain) (Protein E1)	565 NPNT	11	11	11	25.3	61.906
Q9UFN0	NPS3A_HUMAN	Protein NipSnap homolog 3A (NipSnap3A) (Protein NipSnap homolog 4) (NipSnap homolog 3)	247 NIPSNAP3A	4	3	3	19.4	28.466
Q9BS92	NPS3B_HUMAN	Protein NipSnap homolog 3B (NipSnap3B) (SNAP1)	247 NIPSNAP3B	4	4	3	21.1	28.313
Q9Y639	NPTN_HUMAN	Neuroplastin (Stromal cell-derived receptor 1) (SDR-1)	398 NPTN	4	4	4	11.6	44.387
P15559	NQO1_HUMAN	NAD(P)H dehydrogenase [quinone] 1 (EC 1.6.5.2) (Azoreductase) (DT-diaphorase) (NAD(P)H dehydrogenase [quinone] 1)	274 NQO1	4	4	4	9.5	30.867
P16083	NQO2_HUMAN	Ribosylidihydronicotinamide dehydrogenase [quinone] (EC 1.10.5.1) (NRH dehydrogenase)	231 NQO2	4	4	4	20.8	25.918
Q9UHY1	NRBP_HUMAN	Nuclear receptor-binding protein	535 NRBP1	1	1	1	3	59.844
Q9NSY0	NRBP2_HUMAN	Nuclear receptor-binding protein 2 (Transformation-related gene 16 protein) (TRG-1)	501 NRBP2	1	1	1	2.2	57.802
Q9BQI9	NRIP2_HUMAN	Nuclear receptor-interacting protein 2	281 NRIP2	6	6	6	23.5	31.33
O14786	NRP1_HUMAN	Neuropilin-1 (Vascular endothelial cell growth factor 165 receptor) (CD antigen CD130)	923 NRP1	5	5	5	6.3	103.13
O60462	NRP2_HUMAN	Neuropilin-2 (Vascular endothelial cell growth factor 165 receptor 2)	931 NRP2	1	1	1	1.6	104.86
Q15738	NSDHL_HUMAN	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating (EC 1.1.1.170) (Protein NSDHL)	373 NSDHL	2	2	2	5.4	41.9
P46459	NSF_HUMAN	Vesicle-fusing ATPase (EC 3.6.4.6) (N-ethylmaleimide-sensitive fusion protein) (NEF)	744 NSF	16	16	16	24.2	82.593
Q9UNZ2	NSF1C_HUMAN	NSFL1 cofactor p47 (UBX domain-containing protein 2C) (p97 cofactor p47)	370 NSFL1C	16	16	16	53.5	40.572
Q9NY59	NSMA2_HUMAN	Sphingomyelin phosphodiesterase 3 (EC 3.1.4.12) (Neutral sphingomyelinase 2) (nSMase2)	655 SMPD3	1	1	1	1.7	71.08
Q08J23	NSUN2_HUMAN	tRNA (cytosine(34)-C(5))-methyltransferase (EC 2.1.1.203) (Myc-induced SUN domain-containing protein 2)	767 NSUN2	3	3	3	5.5	86.47
Q8TCD5	NT5C_HUMAN	5'(3')-deoxyribonucleotidase, cytosolic type (EC 3.1.3.-) (Cytosolic 5',3'-pyrimidine nucleotidase)	201 NT5C	5	5	5	35.3	23.382
Q5TFE4	NT5D1_HUMAN	5'-nucleotidase domain-containing protein 1 (EC 3.1.3.-)	455 NT5DC1	1	1	1	2.9	51.844
P61970	NTF2_HUMAN	Nuclear transport factor 2 (NTF-2) (Placental protein 15) (PP15)	127 NUTF2	5	5	5	69.3	14.478
Q16620	NTRK2_HUMAN	BDNF/NT-3 growth factors receptor (EC 2.7.10.1) (GP145-TrkB) (Trk-B) (Neurotrophin receptor)	822 NTRK2	1	1	1	1.8	91.998
P57740	NU107_HUMAN	Nuclear pore complex protein Nup107 (107 kDa nucleoporin) (Nucleoporin Nup107)	925 NUP107	6	6	6	9	106.37
Q8WUM0	NU133_HUMAN	Nuclear pore complex protein Nup133 (133 kDa nucleoporin) (Nucleoporin Nup133)	1156 NUP133	4	4	4	3.8	128.98
P49790	NU153_HUMAN	Nuclear pore complex protein Nup153 (153 kDa nucleoporin) (Nucleoporin Nup153)	1475 NUP153	4	4	4	3.7	153.94
O75694	NU155_HUMAN	Nuclear pore complex protein Nup155 (155 kDa nucleoporin) (Nucleoporin Nup155)	1391 NUP155	2	2	2	2.7	155.2

Q12769	NU160_HUMAN	Nuclear pore complex protein Nup160 (160 kDa nucleoporin) (Nucleoporin Nup160)	1436 NUP160	1	1	1	1.4	162.12
Q92621	NU205_HUMAN	Nuclear pore complex protein Nup205 (205 kDa nucleoporin) (Nucleoporin Nup205)	2012 NUP205	7	7	7	3.7	227.92
P35658	NU214_HUMAN	Nuclear pore complex protein Nup214 (214 kDa nucleoporin) (Nucleoporin Nup214)	2090 NUP214	4	4	4	2.1	213.62
P03891	NU2M_HUMAN	NADH-ubiquinone oxidoreductase chain 2 (EC 1.6.5.3) (NADH dehydrogenase sub	347 MT-ND2	1	1	1	2.6	38.96
P03897	NU3M_HUMAN	NADH-ubiquinone oxidoreductase chain 3 (EC 1.6.5.3) (NADH dehydrogenase sub	115 MT-ND3	1	1	1	13	13.186
P03915	NU5M_HUMAN	NADH-ubiquinone oxidoreductase chain 5 (EC 1.6.5.3) (NADH dehydrogenase sub	603 MT-ND5	1	1	1	2.5	67.026
P03923	NU6M_HUMAN	NADH-ubiquinone oxidoreductase chain 6 (EC 1.6.5.3) (NADH dehydrogenase sub	174 MT-ND6	1	1	1	8	18.622
Q9Y5Y2	NUBP2_HUMAN	Cytosolic Fe-S cluster assembly factor NUBP2 (Nucleotide-binding protein 2) (NBP	271 NUBP2	2	2	2	12.5	28.825
Q02818	NUCB1_HUMAN	Nucleobindin-1 (CALNUC)	461 NUCB1	13	13	13	35.1	53.879
P80303	NUCB2_HUMAN	Nucleobindin-2 (DNA-binding protein NEFA) (Gastric cancer antigen Zg4) (Prepron	420 NUCB2	4	4	4	8.8	50.195
Q9H1E3	NUCKS_HUMAN	Nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 (P1)	243 NUCKS1	5	5	5	15.2	27.296
P19338	NUCL_HUMAN	Nucleolin (Protein C23)	710 NCL	31	31	31	37.2	76.613
Q95848	NUD14_HUMAN	Uridine diphosphate glucose pyrophosphatase (UDPG pyrophosphatase) (UGPPase	222 NUDT14	1	1	1	7.2	24.118
Q96DE0	NUD16_HUMAN	U8 snoRNA-decapping enzyme (EC 3.6.1.62) (IDP phosphatase) (IDPase) (EC 3.6	195 NUDT16	3	3	3	16.4	21.273
Q9Y266	NUDC_HUMAN	Nuclear migration protein nudC (Nuclear distribution protein C homolog)	331 NUDC	9	9	9	27.2	38.242
Q8WVJ2	NUDC2_HUMAN	NudC domain-containing protein 2	157 NUDCD2	2	2	2	17.8	17.676
O95989	NUDT3_HUMAN	Diphosphoinositol polyphosphate phosphohydrolase 1 (DIPP-1) (EC 3.6.1.52) (Diac	172 NUDT3	3	2	2	15.1	19.471
Q9NZJ9	NUDT4_HUMAN	Diphosphoinositol polyphosphate phosphohydrolase 2 (DIPP-2) (EC 3.6.1.52) (Diac	180 NUDT4	3	3	2	16.7	20.306
Q9UUK9	NUDT5_HUMAN	ADP-sugar pyrophosphatase (EC 3.6.1.13) (8-oxo-dGDP phosphatase) (EC 3.6.1.5	219 NUDT5	4	4	4	22.4	24.327
Q14980	NUMA1_HUMAN	Nuclear mitotic apparatus protein 1 (NuMA protein) (Nuclear matrix protein-22) (NM	2115 NUMA1	56	56	55	30.4	238.26
P49757	NUMB_HUMAN	Protein numb homolog (h-Numb) (Protein S171)	651 NUMB	2	2	2	4.8	70.803
Q9Y6R0	NUMBL_HUMAN	Numb-like protein (Numb-related protein) (Numb-R)	609 NUMBL	2	2	2	2	64.891
Q8NFH3	NUP43_HUMAN	Nucleoporin Nup43 (Nup107-160 subcomplex subunit Nup43) (p42)	380 NUP43	1	1	1	3.7	42.15
Q8NFH5	NUP53_HUMAN	Nucleoporin NUP53 (35 kDa nucleoporin) (Mitotic phosphoprotein 44) (MP-44) (Nu	326 NUP35	1	1	1	4	34.773
Q7Z3B4	NUP54_HUMAN	Nucleoporin p54 (54 kDa nucleoporin)	507 NUP54	2	2	2	5.9	55.435
P37198	NUP62_HUMAN	Nuclear pore glycoprotein p62 (62 kDa nucleoporin) (Nucleoporin Nup62)	522 NUP62	3	3	3	7.3	53.254
Q99567	NUP88_HUMAN	Nuclear pore complex protein Nup88 (88 kDa nucleoporin) (Nucleoporin Nup88)	741 NUP88	2	2	2	2	83.541
Q8N1F7	NUP93_HUMAN	Nuclear pore complex protein Nup93 (93 kDa nucleoporin) (Nucleoporin Nup93)	819 NUP93	4	4	4	6	93.487
P52948	NUP98_HUMAN	Nuclear pore complex protein Nup98-Nup96 [Cleaved into: Nuclear pore complex p	1817 NUP98	5	5	5	2.8	197.58
Q9UBU9	NXF1_HUMAN	Nuclear RNA export factor 1 (Tip-associated protein) (Tip-associating protein) (mRf	619 NXF1	3	3	3	6.9	70.182
Q6DKJ4	NXN_HUMAN	Nucleoredoxin (EC 1.8.1.8)	435 NXN	4	4	4	13.3	48.392
Q8IWE2	NXP20_HUMAN	Protein NOXP20 (Nervous system overexpressed protein 20) (Protein FAM114A1)	563 FAM114A1	7	7	7	16.2	60.741
P00973	OAS1_HUMAN	2'-5'-oligoadenylate synthase 1 ((2-5')oligo(A) synthase 1) (2-5A synthase 1) (EC 2.	400 OAS1	3	3	3	9.8	46.028
P29728	OAS2_HUMAN	2'-5'-oligoadenylate synthase 2 ((2-5')oligo(A) synthase 2) (2-5A synthase 2) (EC 2.	719 OAS2	7	7	7	14.5	82.43
Q9Y6K5	OAS3_HUMAN	2'-5'-oligoadenylate synthase 3 ((2-5')oligo(A) synthase 3) (2-5A synthase 3) (EC 2.	1087 OAS3	7	7	7	6.1	121.17
P04181	OAT_HUMAN	Ornithine aminotransferase, mitochondrial (EC 2.6.1.13) (Ornithine delta-aminotran	439 OAT	6	6	6	19.4	48.534
Q5VST9	OBSCN_HUMAN	Obscurin (EC 2.7.11.1) (Obscurin-RhoGEF) (Obscurin-myosin light chain kinase) ((	7968 OBSCN	1	1	1	0.2	868.47
Q9NX40	OCAD1_HUMAN	OCIA domain-containing protein 1 (Ovarian carcinoma immunoreactive antigen)	245 OCIA1	4	4	4	14.3	27.626
P11182	ODB2_HUMAN	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrog	482 DBT	2	2	2	3.3	53.486
P12694	ODBA_HUMAN	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial (EC 1.2.4.4) (Branch	445 BCKDHA	7	7	7	18.9	50.47
P21953	ODBB_HUMAN	2-oxoisovalerate dehydrogenase subunit beta, mitochondrial (EC 1.2.4.4) (Branche	392 BCKDHB	3	3	3	10.5	43.122
Q02218	ODO1_HUMAN	2-oxoglutarate dehydrogenase, mitochondrial (EC 1.2.4.2) (2-oxoglutarate dehydro	1023 OGDH	34	34	29	38.2	115.93
P36957	ODO2_HUMAN	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehyd	453 DLST	12	12	12	27.4	48.755
P10515	ODP2_HUMAN	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase	647 DLAT	9	9	9	15.3	68.996
P08559	ODPA_HUMAN	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondria	390 PDHA1	14	14	14	37.2	43.295
P11177	ODPB_HUMAN	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial (PDHE1-B) (E	359 PDHB	10	10	10	35.4	39.233
O00330	ODPX_HUMAN	Pyruvate dehydrogenase protein X component, mitochondrial (Dihydrolipoamide de	501 PDHX	7	7	7	16.6	54.122
Q5SWX8	ODR4_HUMAN	Protein odr-4 homolog (hODR-4) (LAG1-interacting protein) (Transactivated by tran	454 ODR4	2	2	2	3.5	51.103
Q9H488	OFUT1_HUMAN	GDP-fucose protein O-fucosyltransferase 1 (EC 2.4.1.221) (Peptide-O-fucosyltrans	388 POFUT1	2	2	2	5.2	43.955
O60502	OGA_HUMAN	Protein O-GlcNAcase (OGA) (EC 3.2.1.169) (Beta-N-acetylglucosaminidase) (EC 3	916 MGEA5	2	2	2	3.2	102.91
Q9ULD0	OGDHL_HUMAN	2-oxoglutarate dehydrogenase-like, mitochondrial (EC 1.2.4.-) (2-oxoglutarate dehy	1010 OGDHL	7	2	2	7.8	114.48
Q9NZT2	OGFR_HUMAN	Opioid growth factor receptor (OGFr) (Protein 7-60) (Zeta-type opioid receptor)	677 OGFR	3	3	3	5.9	73.324

Q9NTK5	OLA1_HUMAN	Obg-like ATPase 1 (DNA damage-regulated overexpressed in cancer 45) (DOC45)	396	OLA1	9	9	9	24.7	44.743
Q6UWY5	OLFL1_HUMAN	Olfactomedin-like protein 1	402	OLFML1	16	16	16	39.3	45.95
Q9NRN5	OLFL3_HUMAN	Olfactomedin-like protein 3 (HNOEL-iso) (hOLF44)	406	OLFML3	14	14	14	34.7	46.01
Q96E52	OMA1_HUMAN	Metalloendopeptidase OMA1, mitochondrial (EC 3.4.24.-) (Metalloprotease-related	524	OMA1	1	1	1	2.1	60.12
Q99983	OMD_HUMAN	Osteomodulin (Keratan sulfate proteoglycan osteomodulin) (KSPG osteomodulin) (	421	OMD	2	2	2	5.2	49.492
O60313	OPA1_HUMAN	Dynamin-like 120 kDa protein, mitochondrial (EC 3.6.5.5) (Optic atrophy protein 1)	960	OPA1	18	18	18	22	111.63
Q96PE5	OPAL1_HUMAN	Opalin (Oligodendrocytic myelin paranodal and inner loop protein) (Transmembran	141	OPALIN	1	1	1	13.5	15.683
O14841	OPLA_HUMAN	5-oxoprolinase (EC 3.5.2.9) (5-oxo-L-prolinase) (5-OPase) (Pyroglutamase)	1288	OPLAH	10	10	10	9.1	137.46
Q96CV9	OPTN_HUMAN	Optineurin (E3-14.7K-interacting protein) (FIP-2) (Huntingtin yeast partner L) (Hunti	577	OPTN	8	8	8	13.7	65.92
Q9Y3B8	ORN_HUMAN	Oligoribonuclease, mitochondrial (EC 3.1.-.-) (RNA exonuclease 2 homolog) (Small	237	REXO2	4	4	4	18.1	26.832
Q13438	OS9_HUMAN	Protein OS-9 (Amplified in osteosarcoma 9)	667	OS9	1	1	1	2.4	75.561
Q9BZF1	OSBL8_HUMAN	Oxysterol-binding protein-related protein 8 (ORP-8) (OSBP-related protein 8)	889	OSBPL8	1	1	1	1.7	101.19
P22059	OSBP1_HUMAN	Oxysterol-binding protein 1	807	OSBP	11	11	11	14.6	89.42
P39656	OST48_HUMAN	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit (DC	456	DDOST	9	9	9	25	50.8
Q92882	OSTF1_HUMAN	Osteoclast-stimulating factor 1	214	OSTF1	5	5	5	33.2	23.787
P00480	OTC_HUMAN	Ornithine carbamoyltransferase, mitochondrial (EC 2.1.3.3) (Ornithine transcarbam	354	OTC	1	1	1	4	39.935
Q5VVQ6	OTU1_HUMAN	Ubiquitin thioesterase OTU1 (EC 3.4.19.12) (DUBA-8) (HIV-1-induced protease 7) (	348	YOD1	1	1	1	5.2	38.322
Q96FW1	OTUB1_HUMAN	Ubiquitin thioesterase OTUB1 (EC 3.4.19.12) (Deubiquitinating enzyme OTUB1) (C	271	OTUB1	4	4	4	21	31.284
Q96BN8	OTUL_HUMAN	Ubiquitin thioesterase otulin (EC 3.4.19.12) (Deubiquitinating enzyme otulin) (OTU	352	OTULIN	3	3	3	7.4	40.262
Q96RQ9	OXLA_HUMAN	L-amino-acid oxidase (LAO) (EC 1.4.3.2) (Interleukin-4-induced protein 1) (	567	IL4I1	1	1	1	3.5	62.88
O95747	OXSRI_HUMAN	Serine/threonine-protein kinase OSR1 (EC 2.7.11.1) (Oxidative stress-responsive 1	527	OXSRI	10	10	10	29.6	58.022
A8MW92	P20L1_HUMAN	PHD finger protein 20-like protein 1	1017	PHF20L1	1	1	1	0.8	115.01
O00443	P3C2A_HUMAN	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha (PI	1686	PIK3C2A	1	1	1	0.7	190.68
P13674	P4HA1_HUMAN	Prolyl 4-hydroxylase subunit alpha-1 (4-PH alpha-1) (EC 1.14.11.2) (Procollagen-pr	534	P4HA1	5	5	5	9.7	61.049
Q53H96	P5CR3_HUMAN	Pyrrrole-5-carboxylate reductase 3 (P5C reductase 3) (P5CR 3) (EC 1.5.1.2) (Pyrr	274	PYCRL	1	1	1	4.7	28.663
P54886	P5CS_HUMAN	Delta-1-pyrroline-5-carboxylate synthase (P5CS) (Aldehyde dehydrogenase family	795	ALDH18A1	2	2	2	2.9	87.301
O14683	P5I11_HUMAN	Tumor protein p53-inducible protein 11 (p53-induced gene 11 protein)	189	TP53I11	3	3	3	13.8	21.054
P27986	P85A_HUMAN	Phosphatidylinositol 3-kinase regulatory subunit alpha (PI3-kinase regulatory subur	724	PIK3R1	3	3	3	5	83.597
P68402	PA1B2_HUMAN	Platelet-activating factor acetylhydrolase IB subunit beta (EC 3.1.1.47) (PAF acetyl	229	PAFAH1B2	3	3	3	17	25.569
Q15102	PA1B3_HUMAN	Platelet-activating factor acetylhydrolase IB subunit gamma (EC 3.1.1.47) (PAF ace	231	PAFAH1B3	5	5	5	23.4	25.734
P47712	PA24A_HUMAN	Cytosolic phospholipase A2 (cPLA2) (Phospholipase A2 group IVA) [Includes: Pho	749	PLA2G4A	3	3	3	3.7	85.238
Q9UQ80	PA2G4_HUMAN	Proliferation-associated protein 2G4 (Cell cycle protein p38-2G4 homolog) (hG4-1)	394	PA2G4	16	16	15	49.5	43.786
P14555	PA2GA_HUMAN	Phospholipase A2, membrane associated (EC 3.1.1.4) (GIIC sPLA2) (Group IIA ph	144	PLA2G2A	6	6	6	40.3	16.083
P11940	PABP1_HUMAN	Polyadenylate-binding protein 1 (PABP-1) (Poly(A)-binding protein 1)	636	PABPC1	13	13	7	23.6	70.67
Q86U42	PABP2_HUMAN	Polyadenylate-binding protein 2 (PABP-2) (Poly(A)-binding protein 2) (Nuclear poly	306	PABPN1	6	6	6	20.3	32.749
Q13310	PABP4_HUMAN	Polyadenylate-binding protein 4 (PABP-4) (Poly(A)-binding protein 4) (Activated-pl	644	PABPC4	8	2	2	17.2	70.782
Q9UNF0	PACN2_HUMAN	Protein kinase C and casein kinase substrate in neurons protein 2 (Syndapin-2) (S)	486	PACSIN2	13	13	13	25.5	55.738
Q9UKS6	PACN3_HUMAN	Protein kinase C and casein kinase substrate in neurons protein 3 (SH3 domain-co	424	PACSIN3	3	3	3	8	48.486
Q6VY07	PACS1_HUMAN	Phosphofurin acidic cluster sorting protein 1 (PACS-1)	963	PACS1	1	1	1	1.8	104.9
Q8N7H5	PAF1_HUMAN	RNA polymerase II-associated factor 1 homolog (hPAF1) (Pancreatic differentiation	531	PAF1	1	1	1	1.9	59.975
Q9H074	PAIP1_HUMAN	Polyadenylate-binding protein-interacting protein 1 (PABP-interacting protein 1) (P	479	PAIP1	2	2	2	4.8	53.524
Q8NC51	PAIRB_HUMAN	Plasminogen activator inhibitor 1 RNA-binding protein (PAI1 RNA-binding protein 1	408	SERBP1	15	15	15	37	44.965
Q13153	PAK1_HUMAN	Serine/threonine-protein kinase PAK 1 (EC 2.7.11.1) (Alpha-PAK) (p21-activated ki	545	PAK1	4	2	1	7.9	60.646
Q13177	PAK2_HUMAN	Serine/threonine-protein kinase PAK 2 (EC 2.7.11.1) (Gamma-PAK) (PAK65) (S6/I	524	PAK2	11	11	7	31.5	58.042
Q8WX93	PALLD_HUMAN	Palladin (SIH002) (Sarcoma antigen NY-SAR-77)	1383	PALLD	16	16	16	12.7	150.56
O75781	PALM_HUMAN	Paralemmin-1 (Paralemmin)	387	PALM	15	15	14	44.4	42.075
Q8IXS6	PALM2_HUMAN	Paralemmin-2	379	PALM2	2	1	1	5.5	42.185
Q9NP74	PALMD_HUMAN	Palmdelphin (Paralemmin-like protein)	551	PALMD	8	7	7	14.7	62.757
Q9NVE7	PANK4_HUMAN	Pantothenate kinase 4 (hPank4) (EC 2.7.1.33) (Pantothenic acid kinase 4)	773	PANK4	4	4	4	7.8	85.99
Q13219	PAPP1_HUMAN	Pappalysin-1 (EC 3.4.24.79) (Insulin-like growth factor-dependent IGF-binding prot	1627	PAPPA	6	6	6	5.2	180.97
O43252	PAPS1_HUMAN	Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1 (PAPS synthase 1	624	PAPSS1	2	2	2	3.5	70.832
O95340	PAPS2_HUMAN	Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 2 (PAPS synthase 2	614	PAPSS2	3	3	3	5.2	69.5

Q99497	PARK7_HUMAN	Protein deglycase DJ-1 (DJ-1) (EC 3.1.2.-) (EC 3.5.1.-) (Oncogene DJ1) (Parkinson	189	PARK7	13	13	13	62.4	19.891
P09874	PARP1_HUMAN	Poly [ADP-ribose] polymerase 1 (PARP-1) (EC 2.4.2.30) (ADP-ribosyltransferase d	1014	PARP1	20	20	20	23	113.08
Q9UUK3	PARP4_HUMAN	Poly [ADP-ribose] polymerase 4 (PARP-4) (EC 2.4.2.30) (193 kDa vault protein) (A	1724	PARP4	1	1	1	0.8	192.59
Q8IXQ6	PARP9_HUMAN	Poly [ADP-ribose] polymerase 9 (PARP-9) (EC 2.4.2.30) (ADP-ribosyltransferase d	854	PARP9	1	1	1	1.3	96.342
Q9NVD7	PARVA_HUMAN	Alpha-parvin (Actopaxin) (CH-ILKBP) (Calponin-like integrin-linked kinase-binding p	372	PARVA	10	10	8	28.2	42.243
Q9HBI1	PARVB_HUMAN	Beta-parvin (Affixin)	364	PARVB	5	3	3	15.4	41.714
Q96IZ0	PAWR_HUMAN	PRKC apoptosis WT1 regulator protein (Prostate apoptosis response 4 protein) (Pa	340	PAWR	9	9	9	30.6	36.567
P49023	PAXI_HUMAN	Paxillin	591	PXN	5	5	5	8	64.505
Q9BUH6	PAXX_HUMAN	Protein PAXX (Paralog of XRCC4 and XLF) (XRCC4-like small protein)	204	C9orf142	3	3	3	18.1	21.639
Q86U86	PB1_HUMAN	Protein polybromo-1 (hPB1) (BRG1-associated factor 180) (BAF180) (Polybromo-1	1689	PBRM1	2	2	2	0.9	192.95
Q9BVG4	PBDC1_HUMAN	Protein PBDC1 (Polysaccharide biosynthesis domain-containing protein 1)	233	PBDC1	3	3	3	10.7	26.056
Q96AQ6	PBIP1_HUMAN	Pre-B-cell leukemia transcription factor-interacting protein 1 (Hematopoietic PBX-in	731	PBXIP1	7	7	7	11.9	80.642
Q8NF37	PCAT1_HUMAN	Lysophosphatidylcholine acyltransferase 1 (LPC acyltransferase 1) (LPCAT-1) (Lys	534	LPCAT1	2	2	2	4.3	59.151
Q7L5N7	PCAT2_HUMAN	Lysophosphatidylcholine acyltransferase 2 (LPC acyltransferase 2) (LPCAT-2) (Lys	544	LPCAT2	3	3	3	9.7	60.207
Q15365	PCBP1_HUMAN	Poly(rC)-binding protein 1 (Alpha-CP1) (Heterogeneous nuclear ribonucleoprotein E	356	PCBP1	11	11	7	46.9	37.497
Q15366	PCBP2_HUMAN	Poly(rC)-binding protein 2 (Alpha-CP2) (Heterogeneous nuclear ribonucleoprotein E	365	PCBP2	8	4	4	28.5	38.58
P57721	PCBP3_HUMAN	Poly(rC)-binding protein 3 (Alpha-CP3)	371	PCBP3	5	1	1	15.9	39.465
P05165	PCCA_HUMAN	Propionyl-CoA carboxylase alpha chain, mitochondrial (PCCase subunit alpha) (EC	728	PCCA	12	12	12	17.6	80.058
P05166	PCCB_HUMAN	Propionyl-CoA carboxylase beta chain, mitochondrial (PCCase subunit beta) (EC 6	539	PCCB	13	13	13	34.9	58.215
Q08174	PCDH1_HUMAN	Protocadherin-1 (Cadherin-like protein 1) (Protocadherin-42) (PC42)	1060	PCDH1	2	2	2	2.3	114.74
Q5JVF3	PCID2_HUMAN	PCI domain-containing protein 2 (CSN12-like protein)	399	PCID2	1	1	1	3	46.029
P35558	PCKGC_HUMAN	Phosphoenolpyruvate carboxykinase, cytosolic [GTP] (PEPCK-C) (EC 4.1.1.32)	622	PCK1	6	6	6	9.6	69.194
Q16822	PCKGM_HUMAN	Phosphoenolpyruvate carboxykinase [GTP], mitochondrial (PEPCK-M) (EC 4.1.1.3:	640	PCK2	14	14	14	23.8	70.729
P12004	PCNA_HUMAN	Proliferating cell nuclear antigen (PCNA) (Cyclin)	261	PCNA	4	4	4	19.9	28.768
Q8WVW12	PCNP_HUMAN	PEST proteolytic signal-containing nuclear protein (PCNP) (PEST-containing nucle	178	PCNP	2	2	2	14.6	18.925
Q15113	PCOC1_HUMAN	Procollagen C-endopeptidase enhancer 1 (Procollagen COOH-terminal proteinase	449	PCOLCE	10	10	10	31	47.972
P42785	PCP_HUMAN	Lysosomal Pro-X carboxypeptidase (EC 3.4.16.2) (Angiotensinase C) (Lysosomal c	496	PRCP	3	3	3	8.3	55.799
Q9UHG2	PCSK1_HUMAN	ProSAAS (Proprotein convertase subtilisin/kexin type 1 inhibitor) (Proprotein conve	260	PCSK1N	2	2	2	8.5	27.372
P49585	PCY1A_HUMAN	Choline-phosphate cytidyltransferase A (EC 2.7.7.15) (CCT-alpha) (CTP:phospho	367	PCYT1A	4	4	2	13.9	41.731
Q99447	PCY2_HUMAN	Ethanolamine-phosphate cytidyltransferase (EC 2.7.7.14) (CTP:phosphoethanola	389	PCYT2	8	8	8	30.1	43.835
Q9UHG3	PCYOX_HUMAN	Prenylcysteine oxidase 1 (EC 1.8.3.5) (Prenylcysteine lyase)	505	PCYOX1	12	12	12	29.5	56.639
Q8NBM8	PCYXL_HUMAN	Prenylcysteine oxidase-like (EC 1.8.3.-)	494	PCYOX1L	1	1	1	2.2	54.646
Q9BUL8	PDC10_HUMAN	Programmed cell death protein 10 (Cerebral cavernous malformations 3 protein) (T	212	PDCD10	4	4	4	14.2	24.701
Q8WUM4	PDC6I_HUMAN	Programmed cell death 6-interacting protein (PDCD6-interacting protein) (ALG-2-in	868	PDCD6IP	32	32	32	41.4	96.022
Q53EL6	PDCD4_HUMAN	Programmed cell death protein 4 (Neoplastic transformation inhibitor protein) (Nucl	469	PDCD4	8	8	8	24.3	51.735
O14737	PDCD5_HUMAN	Programmed cell death protein 5 (TF-1 cell apoptosis-related protein 19) (Protein T	125	PDCD5	5	5	5	36.8	14.285
O75340	PDCD6_HUMAN	Programmed cell death protein 6 (Apoptosis-linked gene 2 protein) (Probable calci	191	PDCD6	2	2	2	19.9	21.868
Q9H2J4	PDCL3_HUMAN	Phosducin-like protein 3 (HTHPL3) (PhPL3) (Viral IAP-associated factor 1) (VIAF-1	239	PDCL3	1	1	1	6.3	27.614
Q8NB37	PDDC1_HUMAN	Parkinson disease 7 domain-containing protein 1	220	PDDC1	1	1	1	4.5	23.297
Q6L8Q7	PDE12_HUMAN	2',5'-phosphodiesterase 12 (2'-PDE) (2-PDE) (EC 3.1.4.-) (Mitochondrial deadenyla	609	PDE12	2	2	2	6.4	67.351
O00408	PDE2A_HUMAN	cGMP-dependent 3',5'-cyclic phosphodiesterase (EC 3.1.4.17) (Cyclic GMP-stimula	941	PDE2A	4	3	3	3.9	105.72
Q14432	PDE3A_HUMAN	cGMP-inhibited 3',5'-cyclic phosphodiesterase A (EC 3.1.4.17) (Cyclic GMP-inhibite	1141	PDE3A	1	1	1	1.3	124.98
O76074	PDE5A_HUMAN	cGMP-specific 3',5'-cyclic phosphodiesterase (EC 3.1.4.35) (cGMP-binding cGMP-	875	PDE5A	4	4	4	5.4	99.984
P07237	PDIA1_HUMAN	Protein disulfide-isomerase (PDI) (EC 5.3.4.1) (Cellular thyroid hormone-binding pr	508	P4HB	29	29	29	49.4	57.116
P30101	PDIA3_HUMAN	Protein disulfide-isomerase A3 (EC 5.3.4.1) (58 kDa glucose-regulated protein) (58	505	PDIA3	27	27	27	59	56.782
P13667	PDIA4_HUMAN	Protein disulfide-isomerase A4 (EC 5.3.4.1) (Endoplasmic reticulum resident protei	645	PDIA4	25	25	25	41.7	72.932
Q14554	PDIA5_HUMAN	Protein disulfide-isomerase A5 (EC 5.3.4.1) (Protein disulfide isomerase-related pro	519	PDIA5	3	3	3	6.7	59.594
Q15084	PDIA6_HUMAN	Protein disulfide-isomerase A6 (EC 5.3.4.1) (Endoplasmic reticulum protein 5) (ER	440	PDIA6	12	12	12	38.4	48.121
Q9Y2S7	PDIP2_HUMAN	Polymerase delta-interacting protein 2 (38 kDa DNA polymerase delta interaction p	368	POLDIP2	1	1	1	3.5	42.033
Q9BY77	PDIP3_HUMAN	Polymerase delta-interacting protein 3 (46 kDa DNA polymerase delta interaction p	421	POLDIP3	2	2	2	4.5	46.089
Q15118	PDK1_HUMAN	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial (EC	436	PDK1	3	3	3	7.1	49.244
Q15119	PDK2_HUMAN	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2, mitochondrial (EC	407	PDK2	6	6	6	21.9	46.153

Q15120	PDK3_HUMAN	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 3, mitochondrial (EC	406 PDK3	3	3	3	8.1	46.938
Q16654	PDK4_HUMAN	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 4, mitochondrial (EC	411 PDK4	3	3	3	9.5	46.469
O00151	PDLI1_HUMAN	PDZ and LIM domain protein 1 (C-terminal LIM domain protein 1) (Elfin) (LIM doma	329 PDLIM1	17	17	17	72	36.071
Q96JY6	PDLI2_HUMAN	PDZ and LIM domain protein 2 (PDZ-LIM protein mystique)	352 PDLIM2	8	8	8	27.3	37.458
Q53GG5	PDLI3_HUMAN	PDZ and LIM domain protein 3 (Actinin-associated LIM protein) (Alpha-actinin-2-as	364 PDLIM3	10	10	10	40.4	39.232
P50479	PDLI4_HUMAN	PDZ and LIM domain protein 4 (LIM protein RIL) (Reversion-induced LIM protein)	330 PDLIM4	6	6	6	21.2	35.398
Q96HC4	PDLI5_HUMAN	PDZ and LIM domain protein 5 (Enigma homolog) (Enigma-like PDZ and LIM doma	596 PDLIM5	20	20	20	44.6	63.944
Q9NR12	PDLI7_HUMAN	PDZ and LIM domain protein 7 (LIM mineralization protein) (LMP) (Protein enigma)	457 PDLIM7	20	20	20	52.5	49.844
Q9P0J1	PDP1_HUMAN	[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial (PDP	537 PDP1	1	1	1	5	61.053
Q8NCN5	P DPR_HUMAN	Pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial (PDPPr)	879 P DPR	2	2	2	2.6	99.363
Q29RF7	PDS5A_HUMAN	Sister chromatid cohesion protein PDS5 homolog A (Cell proliferation-inducing gen	1337 PDS5A	2	2	2	1.5	150.83
Q9NTI5	PDS5B_HUMAN	Sister chromatid cohesion protein PDS5 homolog B (Androgen-induced proliferation	1447 PDS5B	9	9	9	7.8	164.67
Q6P996	PDXD1_HUMAN	Pyridoxal-dependent decarboxylase domain-containing protein 1 (EC 4.1.1.-)	788 PDXDC1	4	4	4	6.1	86.706
O00764	PDXK_HUMAN	Pyridoxal kinase (EC 2.7.1.35) (Pyridoxine kinase)	312 PDXK	6	6	6	23.1	35.102
Q15121	PEA15_HUMAN	Astrocytic phosphoprotein PEA-15 (15 kDa phosphoprotein enriched in astrocytes)	130 PEA15	7	7	7	53.1	15.04
Q9H792	PEAK1_HUMAN	Pseudopodium-enriched atypical kinase 1 (EC 2.7.10.2) (Sugen kinase 269) (Tyros	1746 PEAK1	1	1	1	0.7	193.1
Q13951	PEBB_HUMAN	Core-binding factor subunit beta (CBF-beta) (Polyomavirus enhancer-binding prote	182 CBFB	1	1	1	3.8	21.508
P30086	PEBP1_HUMAN	Phosphatidylethanolamine-binding protein 1 (PEBP-1) (HCNPPp) (Neuropolypeptid	187 PEBP1	11	11	11	79.1	21.057
P16284	PECA1_HUMAN	Platelet endothelial cell adhesion molecule (PECAM-1) (EndoCAM) (GPIIA') (PECA	738 PECAM1	14	14	14	23.6	82.535
Q9BY49	PECR_HUMAN	Peroxisomal trans-2-enoyl-CoA reductase (TERP) (EC 1.3.1.38) (2,4-dienoyl-CoA r	303 PE CR	3	3	3	10.9	32.544
P36955	PEDF_HUMAN	Pigment epithelium-derived factor (PEDF) (Cell proliferation-inducing gene 35 prote	418 SERPINF1	16	16	16	44.3	46.312
Q9UBV8	PEF1_HUMAN	Peflin (PEF protein with a long N-terminal hydrophobic domain) (Penta-EF hand do	284 PEF1	1	1	1	4.6	30.381
Q9BRX2	PELO_HUMAN	Protein pelota homolog (EC 3.1.-.-)	385 PELO	1	1	1	3.4	43.359
P12955	PEPD_HUMAN	Xaa-Pro dipeptidase (X-Pro dipeptidase) (EC 3.4.13.9) (Imidodipeptidase) (Peptida	493 PEPD	8	8	8	21.5	54.548
O60437	PEPL_HUMAN	Periplakin (190 kDa paraneoplastic pemphigus antigen) (195 kDa cornified envelop	1756 PPL	53	53	53	34.9	204.74
Q8NDH3	PEPL1_HUMAN	Probable aminopeptidase NPEPL1 (EC 3.4.11.-) (Aminopeptidase-like 1)	523 NPEPL1	3	3	3	9	55.86
P11678	PERE_HUMAN	Eosinophil peroxidase (EPO) (EC 1.11.1.7) [Cleaved into: Eosinophil peroxidase lig	715 EPX	9	9	8	14.1	81.04
P41219	PERI_HUMAN	Peripherin (Neurofilament 4)	470 PRPH	26	21	21	48.1	53.65
P05164	PERM_HUMAN	Myeloperoxidase (MPO) (EC 1.11.2.2) [Cleaved into: Myeloperoxidase; 89 kDa my	745 MPO	5	4	4	7.7	83.868
Q6Y7W6	PERQ2_HUMAN	PERQ amino acid-rich with GYF domain-containing protein 2 (GRB10-interacting G	1299 GIGYF2	3	3	3	2.5	150.07
P40855	PEX19_HUMAN	Peroxisomal biogenesis factor 19 (33 kDa housekeeping protein) (Peroxin-19) (Per	299 PEX19	6	6	6	21.4	32.806
Q60925	PFD1_HUMAN	Prefoldin subunit 1	122 PFDN1	5	5	5	37.7	14.21
Q9UHV9	PFD2_HUMAN	Prefoldin subunit 2	154 PFDN2	3	3	3	26	16.648
P61758	PFD3_HUMAN	Prefoldin subunit 3 (HIBBJ46) (Von Hippel-Lindau-binding protein 1) (VBP-1) (VHL-	197 VBP1	5	5	5	20.8	22.658
Q9NQPA	PFD4_HUMAN	Prefoldin subunit 4 (Protein C-1)	134 PFDN4	1	1	1	9	15.314
Q99471	PFD5_HUMAN	Prefoldin subunit 5 (C-Myc-binding protein Mm-1) (Myc modulator 1)	154 PFDN5	4	4	4	33.8	17.328
O15212	PFD6_HUMAN	Prefoldin subunit 6 (Protein Ke2)	129 PFDN6	4	4	4	28.7	14.582
P17858	PFKAL_HUMAN	ATP-dependent 6-phosphofructokinase, liver type (ATP-PFK) (PFK-L) (EC 2.7.1.11	780 PFKL	16	16	14	21.4	85.018
P08237	PFKAM_HUMAN	ATP-dependent 6-phosphofructokinase, muscle type (ATP-PFK) (PFK-M) (EC 2.7.	780 PFKM	11	10	10	16.8	85.182
Q01813	PFKAP_HUMAN	ATP-dependent 6-phosphofructokinase, platelet type (ATP-PFK) (PFK-P) (EC 2.7.1	784 PFKP	16	14	14	24.2	85.595
P18669	PGAM1_HUMAN	Phosphoglycerate mutase 1 (EC 5.4.2.11) (EC 5.4.2.4) (BPG-dependent PGAM 1)	254 PGAM1	13	13	9	51.2	28.804
P15259	PGAM2_HUMAN	Phosphoglycerate mutase 2 (EC 5.4.2.11) (EC 5.4.2.4) (BPG-dependent PGAM 2)	253 PGAM2	7	3	3	27.7	28.766
Q96HS1	PGAM5_HUMAN	Serine/threonine-protein phosphatase PGAM5, mitochondrial (EC 3.1.3.16) (Bcl-XL	289 PGAM5	2	2	2	8.3	32.004
P98160	PGBM_HUMAN	Basement membrane-specific heparan sulfate proteoglycan core protein (HSPG) (F	4391 HSPG2	164	164	164	50.9	468.83
P16112	PGCA_HUMAN	Aggrecan core protein (Cartilage-specific proteoglycan core protein) (CSPCP) (Chc	2415 ACAN	11	11	11	6.2	250.19
Q9H7Z7	PGES2_HUMAN	Prostaglandin E synthase 2 (Membrane-associated prostaglandin E synthase-2) (r	377 PTGES2	4	4	4	11.1	41.943
P09619	PDGFRB_HUMAN	Platelet-derived growth factor receptor beta (PDGF-R-beta) (PDGFR-beta) (EC 2.7	1106 PDGFRB	9	9	9	9	123.97
P23219	PGH1_HUMAN	Prostaglandin G/H synthase 1 (EC 1.14.99.1) (Cyclooxygenase-1) (COX-1) (Prosta	599 PTGS1	6	6	6	14.2	68.686
P00558	PGK1_HUMAN	Phosphoglycerate kinase 1 (EC 2.7.2.3) (Cell migration-inducing gene 10 protein) (	417 PGK1	26	26	22	67.1	44.614
P07205	PGK2_HUMAN	Phosphoglycerate kinase 2 (EC 2.7.2.3) (Phosphoglycerate kinase, testis specific)	417 PGK2	5	1	1	13.4	44.796
P36871	PGM1_HUMAN	Phosphoglucomutase-1 (PGM 1) (EC 5.4.2.2) (Glucose phosphomutase 1)	562 PGM1	21	21	21	40.6	61.448
Q96G03	PGM2_HUMAN	Phosphoglucomutase-2 (PGM 2) (EC 5.4.2.2) (Glucose phosphomutase 2) (Phospl	612 PGM2	16	16	16	31.4	68.283

Q6PCE3	PGM2L_HUMAN	Glucose 1,6-bisphosphate synthase (EC 2.7.1.106) (PMMLP) (Phosphoglucomutase	622	PGM2L1	2	2	2	3.4	70.441
Q15124	PGM5_HUMAN	Phosphoglucomutase-like protein 5 (Aciculin) (Phosphoglucomutase-related protein	567	PGM5	22	22	22	47.6	62.224
O00264	PGRC1_HUMAN	Membrane-associated progesterone receptor component 1 (mPR)	195	PGRMC1	8	8	7	41.5	21.671
O15173	PGRC2_HUMAN	Membrane-associated progesterone receptor component 2 (Progesterone membra	223	PGRMC2	6	5	5	26.5	23.818
Q96PD5	PGRP2_HUMAN	N-acetylmuramoyl-L-alanine amidase (EC 3.5.1.28) (Peptidoglycan recognition prot	576	PGLYRP2	7	7	7	21.2	62.216
P21810	PGS1_HUMAN	Biglycan (Bone/cartilage proteoglycan I) (PG-S1)	368	BGN	12	11	11	40.2	41.654
P07585	PGS2_HUMAN	Decorin (Bone proteoglycan II) (PG-S2) (PG40)	359	DCN	17	17	16	45.4	39.746
Q92696	PGTA_HUMAN	Geranylgeranyl transferase type-2 subunit alpha (EC 2.5.1.60) (Geranylgeranyl trar	567	RABGGTA	2	2	2	3	65.071
P35232	PHB_HUMAN	Prohibitin	272	PHB	15	15	15	57.4	29.804
Q99623	PHB2_HUMAN	Prohibitin-2 (B-cell receptor-associated protein BAP37) (D-prohibitin) (Repressor of	299	PHB2	16	16	16	57.2	33.296
Q81XK0	PHC2_HUMAN	Polyhomeotic-like protein 2 (hPH2) (Early development regulatory protein 2)	858	PHC2	3	3	3	3.4	90.712
Q7RTV0	PHF5A_HUMAN	PHD finger-like domain-containing protein 5A (PHD finger-like domain protein 5A) (	110	PHF5A	1	1	1	14.5	12.405
Q9UUP1	PHF8_HUMAN	Histone lysine demethylase PHF8 (EC 1.14.11.27) (PHD finger protein 8)	1060	PHF8	1	1	1	1.3	117.86
Q9Y5J5	PHLA3_HUMAN	Pleckstrin homology-like domain family A member 3 (TDAG51/lpl homolog 1)	127	PHLDA3	1	1	1	7.1	13.891
Q86UU1	PHLB1_HUMAN	Pleckstrin homology-like domain family B member 1 (Protein LL5-alpha)	1377	PHLDB1	11	11	11	10.2	151.16
Q86SQ0	PHLB2_HUMAN	Pleckstrin homology-like domain family B member 2 (Protein LL5-beta)	1253	PHLDB2	3	3	3	2.8	142.16
Q9NRX4	PHP14_HUMAN	14 kDa phosphohistidine phosphatase (EC 3.9.1.3) (Phosphohistidine phosphatase	125	PHPT1	5	5	5	41.6	13.832
Q9P1Y6	PHRF1_HUMAN	PHD and RING finger domain-containing protein 1	1649	PHRF1	1	1	1	1.1	178.66
P61457	PHS_HUMAN	Pterin-4-alpha-carbinolamine dehydratase (PHS) (EC 4.2.1.96) (4-alpha-hydroxy-te	104	PCBD1	4	4	4	29.8	11.999
Q5SRE7	PHYD1_HUMAN	Phytanoyl-CoA dioxygenase domain-containing protein 1 (EC 1.-.-.-)	291	PHYHD1	2	2	2	8.6	32.41
Q6UXB8	PI16_HUMAN	Peptidase inhibitor 16 (PI-16) (Cysteine-rich secretory protein 9) (CRISP-9) (PSP9)	463	PI16	3	3	3	6	49.471
Q99570	PI3R4_HUMAN	Phosphoinositide 3-kinase regulatory subunit 4 (PI3-kinase regulatory subunit 4) (E	1358	PIK3R4	2	2	2	2.2	153.1
P48426	PI42A_HUMAN	Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha (EC 2.7.1.149) (1-phospha	406	PIP4K2A	6	6	4	18.7	46.224
P78356	PI42B_HUMAN	Phosphatidylinositol 5-phosphate 4-kinase type-2 beta (EC 2.7.1.149) (1-phosphati	416	PIP4K2B	4	2	2	12.3	47.377
Q8TBX8	PI42C_HUMAN	Phosphatidylinositol 5-phosphate 4-kinase type-2 gamma (EC 2.7.1.149) (Phospha	421	PIP4K2C	2	2	2	4.8	47.299
P42356	PI4KA_HUMAN	Phosphatidylinositol 4-kinase alpha (PI4-kinase alpha) (PI4K-alpha) (PtdIns-4-kinas	2102	PI4KA	6	6	6	4	236.83
O60331	PI51C_HUMAN	Phosphatidylinositol 4-phosphate 5-kinase type-1 gamma (PIP5K1-gamma) (PtdIns	668	PIP5K1C	1	1	1	1.6	73.259
Q13492	PICAL_HUMAN	Phosphatidylinositol-binding clathrin assembly protein (Clathrin assembly lymphoid	652	PICALM	7	7	7	12.7	70.754
Q969N2	PIGT_HUMAN	GPI transamidase component PIG-T (Phosphatidylinositol-glycan biosynthesis clas	578	PIGT	2	2	2	4.3	65.699
P22061	PIMT_HUMAN	Protein-L-isoaspartate(D-aspartate) O-methyltransferase (PIMT) (EC 2.1.1.77) (L-is	227	PCMT1	8	8	8	43.6	24.636
Q13526	PIN1_HUMAN	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1 (EC 5.2.1.8) (Peptidyl-prolyl	163	PIN1	3	3	2	28.8	18.243
Q9H307	PININ_HUMAN	Pinin (140 kDa nuclear and cell adhesion-related phosphoprotein) (Desmosome-as	717	PNN	4	4	4	7	81.613
Q00169	PIPNA_HUMAN	Phosphatidylinositol transfer protein alpha isoform (PI-TP-alpha) (PtdIns transfer pr	270	PITPNA	10	10	10	40.7	31.806
P48739	PIPNB_HUMAN	Phosphatidylinositol transfer protein beta isoform (PI-TP-beta) (PtdIns transfer prot	271	PITPNB	7	7	7	36.9	31.54
O00625	PIR_HUMAN	Pirin (EC 1.13.11.24) (Probable quercetin 2,3-dioxygenase PIR) (Probable querceti	290	PIR	2	2	2	5.9	32.113
Q9GZP4	PITH1_HUMAN	PITH domain-containing protein 1	211	PITHD1	3	3	3	23.7	24.178
Q9HAU0	PKHA5_HUMAN	Pleckstrin homology domain-containing family A member 5 (PH domain-containing	1116	PLEKHA5	1	1	1	2	127.46
Q8TD55	PKHO2_HUMAN	Pleckstrin homology domain-containing family O member 2 (PH domain-containing	490	PLEKHO2	8	8	8	22.9	53.349
Q16512	PKN1_HUMAN	Serine/threonine-protein kinase N1 (EC 2.7.11.13) (Protease-activated kinase 1) (P	942	PKN1	3	3	1	3.9	103.93
Q16513	PKN2_HUMAN	Serine/threonine-protein kinase N2 (EC 2.7.11.13) (PKN gamma) (Protein kinase C	984	PKN2	4	4	2	4.2	112.03
Q5JTB6	PLAC9_HUMAN	Placenta-specific protein 9	97	PLAC9	2	2	2	22.7	10.309
P14923	PLAK_HUMAN	Junction plakoglobin (Catenin gamma) (Desmoplakin III) (Desmoplakin-3)	745	JUP	7	6	5	10.9	81.744
Q9Y263	PLAP_HUMAN	Phospholipase A-2-activating protein (PLA2P) (PLAP)	795	PLAA	3	3	3	4.4	87.156
Q6P4A8	PLBL1_HUMAN	Phospholipase B-like 1 (EC 3.1.1.-) (LAMA-like protein 1) (Lamina ancestor homolc	553	PLBD1	1	1	1	1.8	63.254
Q99943	PLCA_HUMAN	1-acyl-sn-glycerol-3-phosphate acyltransferase alpha (EC 2.3.1.51) (1-acylglycerol-	283	AGPAT1	2	2	2	9.9	31.716
O15120	PLCB_HUMAN	1-acyl-sn-glycerol-3-phosphate acyltransferase beta (EC 2.3.1.51) (1-acylglycerol-3	278	AGPAT2	3	3	3	10.8	30.914
Q9NQ66	PLCB1_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1 (EC 3.1.4.11) (F	1216	PLCB1	1	1	1	0.7	138.57
Q01970	PLCB3_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3 (EC 3.1.4.11) (F	1234	PLCB3	5	5	5	6.5	138.8
Q15147	PLCB4_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-4 (EC 3.1.4.11) (F	1175	PLCB4	2	2	2	1.4	134.46
Q9NRZ7	PLCC_HUMAN	1-acyl-sn-glycerol-3-phosphate acyltransferase gamma (EC 2.3.1.51) (1-acylglycer	376	AGPAT3	4	4	4	10.4	43.38
P51178	PLCD1_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1 (EC 3.1.4.11) (I	756	PLCD1	6	6	6	11	85.664
P19174	PLCG1_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1 (EC 3.1.4.11	1290	PLCG1	4	4	4	4.3	148.53

P16885	PLCG2_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2 (EC 3.1.4.11)	1265	PLCG2	3	3	3	3.6	147.87
Q15111	PLCL1_HUMAN	Inactive phospholipase C-like protein 1 (PLC-L1) (Phospholipase C-deleted in lung	1095	PLCL1	1	1	1	1.1	122.73
Q63HM9	PLCX3_HUMAN	PI-PLC X domain-containing protein 3	321	PLCXD3	1	1	1	5.3	36.312
Q8IV08	PLD3_HUMAN	Phospholipase D3 (PLD 3) (EC 3.1.4.4) (Choline phosphatase 3) (HindIII K4L hom	490	PLD3	3	3	3	6.3	54.705
Q15149	PLEC_HUMAN	Plectin (PCN) (PLTN) (Hemidesmosomal protein 1) (HD1) (Plectin-1)	4684	PLEC	228	228	227	49.9	531.78
P08567	PLEK_HUMAN	Pleckstrin (Platelet 47 kDa protein) (p47)	350	PLEK	2	2	2	10.9	40.124
O60240	PLIN1_HUMAN	Perilipin-1 (Lipid droplet-associated protein)	522	PLIN1	31	31	31	72.2	55.99
O60664	PLIN3_HUMAN	Perilipin-3 (47 kDa mannose 6-phosphate receptor-binding protein) (47 kDa MPR-b	434	PLIN3	8	8	8	21	47.074
Q96Q06	PLIN4_HUMAN	Perilipin-4 (Adipocyte protein S3-12)	1357	PLIN4	64	64	64	79.2	134.43
Q9Y342	PLLP_HUMAN	Plasmolipin (Plasma membrane proteolipid)	182	PLLP	1	1	1	8.8	19.986
O00168	PLM_HUMAN	Phospholemman (FXVD domain-containing ion transport regulator 1)	92	FXVD1	1	1	1	13	10.441
P00747	PLMN_HUMAN	Plasminogen (EC 3.4.21.7) [Cleaved into: Plasmin heavy chain A; Activation peptid	810	PLG	30	30	30	45.3	90.568
Q02809	PLOD1_HUMAN	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 (EC 1.14.11.4) (Lysyl hydroxyla	727	PLOD1	3	3	3	5.1	83.549
O00469	PLOD2_HUMAN	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 (EC 1.14.11.4) (Lysyl hydroxyla	737	PLOD2	1	1	1	1.5	84.685
O60568	PLOD3_HUMAN	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 (EC 1.14.11.4) (Lysyl hydroxyla	738	PLOD3	2	2	2	2.4	84.784
Q04941	PLP2_HUMAN	Proteolipid protein 2 (Differentiation-dependent protein A4) (Intestinal membrane A-	152	PLP2	1	1	1	8.6	16.691
Q96AD5	PLPL2_HUMAN	Patatin-like phospholipase domain-containing protein 2 (EC 3.1.1.3) (Adipose trigly	504	PNPLA2	3	3	3	10.5	55.315
Q8IY17	PLPL6_HUMAN	Neuropathy target esterase (EC 3.1.1.5) (Patatin-like phospholipase domain-contai	1366	PNPLA6	2	2	2	2.4	149.99
Q96GD0	PLPP_HUMAN	Pyridoxal phosphate phosphatase (PLP phosphatase) (EC 3.1.3.3) (EC 3.1.3.74) ((	296	PDXP	2	2	2	7.1	31.698
O14494	PLPP1_HUMAN	Phospholipid phosphatase 1 (EC 3.1.3.4) (Lipid phosphate phosphohydrolase 1) (P	284	PLPP1	2	2	2	8.8	32.156
O14495	PLPP3_HUMAN	Phospholipid phosphatase 3 (EC 3.1.3.4) (Lipid phosphate phosphohydrolase 3) (P	311	PLPP3	1	1	1	3.5	35.116
O43660	PLRG1_HUMAN	Pleiotropic regulator 1	514	PLRG1	1	1	1	1.8	57.193
Q9HBL7	PLRKT_HUMAN	Plasminogen receptor (KT) (Plg-R(KT))	147	PLGRKT	1	1	1	6.8	17.201
O15162	PLS1_HUMAN	Phospholipid scramblase 1 (PL scramblase 1) (Ca(2+)-dependent phospholipid scr	318	PLSCR1	4	4	4	14.8	35.049
Q9NRY6	PLS3_HUMAN	Phospholipid scramblase 3 (PL scramblase 3) (Ca(2+)-dependent phospholipid scr	295	PLSCR3	2	2	2	12.9	31.648
Q9NRQ2	PLS4_HUMAN	Phospholipid scramblase 4 (PL scramblase 4) (Ca(2+)-dependent phospholipid scr	329	PLSCR4	3	3	3	11.9	37.005
P13796	PLSL_HUMAN	Plastin-2 (L-plastin) (LC64P) (Lymphocyte cytosolic protein 1) (LCP-1)	627	LCP1	29	29	22	54.2	70.288
P13797	PLST_HUMAN	Plastin-3 (T-plastin)	630	PLS3	28	21	21	50	70.81
P55058	PLTP_HUMAN	Phospholipid transfer protein (Lipid transfer protein II)	493	PLTP	2	2	2	4.5	54.739
Q9BX97	PLVAP_HUMAN	Plasmalemma vesicle-associated protein (Fenestrated endothelial-linked structure	442	PLVAP	10	10	10	22.9	50.594
Q9UIW2	PLXA1_HUMAN	Plexin-A1 (Semaphorin receptor NOV)	1896	PLXNA1	2	2	2	0.9	211.06
O43157	PLXB1_HUMAN	Plexin-B1 (Semaphorin receptor SEP)	2135	PLXNB1	1	1	1	0.9	232.3
O15031	PLXB2_HUMAN	Plexin-B2 (MM1)	1838	PLXNB2	11	11	11	9.1	205.12
Q9Y4D7	PLXD1_HUMAN	Plexin-D1	1925	PLXND1	3	3	3	1.7	212
P07738	PMGE_HUMAN	Bisphosphoglycerate mutase (BPGM) (EC 5.4.2.4) (2,3-bisphosphoglycerate mutas	259	BPGM	10	10	10	41.3	30.005
P29590	PML_HUMAN	Protein PML (Promyelocytic leukemia protein) (RING finger protein 71) (Tripartite m	882	PML	20	20	20	23.1	97.55
O15305	PMM2_HUMAN	Phosphomannomutase 2 (PMM 2) (EC 5.4.2.8)	246	PMM2	2	2	2	6.9	28.082
Q15126	PMVK_HUMAN	Phosphomevalonate kinase (PMKase) (hPMK) (EC 2.7.4.2)	192	PMVK	2	2	2	9.9	21.995
Q6XQNG	PNCB_HUMAN	Nicotinate phosphoribosyltransferase (NAPRTase) (EC 6.3.4.21) (FHA-HIT-interact	538	NAPRT	8	8	8	29.7	57.578
P00491	PNPH_HUMAN	Purine nucleoside phosphorylase (PNP) (EC 2.4.2.1) (Inosine phosphorylase) (Inos	289	PNP	10	10	10	45.7	32.118
Q9NVS9	PNPO_HUMAN	Pyridoxine-5'-phosphate oxidase (EC 1.4.3.5) (Pyridoxamine-phosphate oxidase)	261	PNPO	2	2	2	10.7	29.988
Q8TCS8	PNPT1_HUMAN	Polyribonucleotide nucleotidyltransferase 1, mitochondrial (EC 2.7.7.8) (3'-5' RNA e	783	PNPT1	6	6	6	9.7	85.95
Q7Z5L7	PODN_HUMAN	Podocan	613	PODN	10	10	10	17.8	68.975
O00592	PODXL_HUMAN	Podocalyxin (GCTM-2 antigen) (Gp200) (Podocalyxin-like protein 1) (PC) (PCLP-1)	558	PODXL	5	5	5	8.6	58.635
P27169	PON1_HUMAN	Serum paraoxonase/arylesterase 1 (PON 1) (EC 3.1.1.2) (EC 3.1.1.81) (EC 3.1.8.1	355	PON1	9	9	9	33	39.731
Q15063	POSTN_HUMAN	Periostin (PN) (Osteoblast-specific factor 2) (OSF-2)	836	POSTN	33	33	33	47.6	93.313
Q9BZL4	PP12C_HUMAN	Protein phosphatase 1 regulatory subunit 12C (Protein phosphatase 1 myosin-bind	782	PPP1R12C	14	14	14	22.1	84.88
P62136	PP1A_HUMAN	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit (PP-1A) (EC 3.1	330	PPP1CA	11	4	2	38.8	37.512
P62140	PP1B_HUMAN	Serine/threonine-protein phosphatase PP1-beta catalytic subunit (PP-1B) (PPP1C	327	PPP1CB	12	12	5	46.2	37.186
P36873	PP1G_HUMAN	Serine/threonine-protein phosphatase PP1-gamma catalytic subunit (PP-1G) (EC 3	323	PPP1CC	11	2	2	40.2	36.983
Q15435	PP1R7_HUMAN	Protein phosphatase 1 regulatory subunit 7 (Protein phosphatase 1 regulatory subu	360	PPP1R7	7	7	7	24.4	41.564
Q12972	PP1R8_HUMAN	Nuclear inhibitor of protein phosphatase 1 (NIPP-1) (Protein phosphatase 1 regulat	351	PPP1R8	2	2	2	8	38.478

P67775	PP2AA_HUMAN	Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform (PP2A- α)	309	PPP2CA	8	1	1	35.3	35.594
P62714	PP2AB_HUMAN	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform (PP2A- β)	309	PPP2CB	9	9	2	37.9	35.575
Q08209	PP2BA_HUMAN	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform (EC 3.1.3.1)	521	PPP3CA	5	5	2	9.2	58.687
P16298	PP2BB_HUMAN	Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform (EC 3.1.3.1)	524	PPP3CB	4	1	1	7.3	59.024
Q9NY27	PP4R2_HUMAN	Serine/threonine-protein phosphatase 4 regulatory subunit 2	417	PPP4R2	1	1	1	3.6	46.898
Q9UPN7	PP6R1_HUMAN	Serine/threonine-protein phosphatase 6 regulatory subunit 1 (SAPS domain family)	881	PPP6R1	2	2	2	2.4	96.723
Q5H9R7	PP6R3_HUMAN	Serine/threonine-protein phosphatase 6 regulatory subunit 3 (SAPS domain family)	873	PPP6R3	2	2	2	2.4	97.668
P24666	PPAC_HUMAN	Low molecular weight phosphotyrosine protein phosphatase (LMW-PTP) (LMW-PTP)	158	ACP1	4	4	4	31.6	18.042
P48147	PPCE_HUMAN	Prolyl endopeptidase (PE) (EC 3.4.21.26) (Post-proline cleaving enzyme)	710	PREP	13	13	13	24.2	80.699
Q4J6C6	PPCEL_HUMAN	Prolyl endopeptidase-like (EC 3.4.21.-) (Prolylendopeptidase-like)	727	PREPL	1	1	1	1.4	83.926
Q9HAB8	PPCS_HUMAN	Phosphopantothenate--cysteine ligase (EC 6.3.2.5) (Phosphopantothenoylcysteine)	311	PPCS	2	2	2	5.5	34.005
P10619	PPGB_HUMAN	Lysosomal protective protein (EC 3.4.16.5) (Carboxypeptidase C) (Carboxypeptidase)	480	CTSA	2	2	2	5.4	54.465
P62937	PPIA_HUMAN	Peptidyl-prolyl cis-trans isomerase A (PPIase A) (EC 5.2.1.8) (Cyclophilin A) (Cyclophilin)	165	PPIA	11	11	11	57	18.012
P23284	PPIB_HUMAN	Peptidyl-prolyl cis-trans isomerase B (PPIase B) (EC 5.2.1.8) (CYP-S1) (Cyclophilin)	216	PPIB	11	11	11	50.9	23.742
P45877	PPIC_HUMAN	Peptidyl-prolyl cis-trans isomerase C (PPIase C) (EC 5.2.1.8) (Cyclophilin C) (Rotamase)	212	PPIC	2	2	2	10.8	22.763
Q08752	PPID_HUMAN	Peptidyl-prolyl cis-trans isomerase D (PPIase D) (EC 5.2.1.8) (40 kDa peptidyl-prolyl)	370	PPID	3	2	2	6.2	40.763
P30405	PPIF_HUMAN	Peptidyl-prolyl cis-trans isomerase F, mitochondrial (PPIase F) (EC 5.2.1.8) (Cyclophilin)	207	PPIF	4	3	3	13	22.04
O43447	PPIH_HUMAN	Peptidyl-prolyl cis-trans isomerase H (PPIase H) (EC 5.2.1.8) (Rotamase H) (Small)	177	PPIH	1	1	1	5.6	19.208
Q9Y3C6	PPIL1_HUMAN	Peptidyl-prolyl cis-trans isomerase-like 1 (PPIase) (EC 5.2.1.8) (Rotamase PPIL1)	166	PPIL1	3	3	3	21.7	18.237
Q9H2H8	PPIL3_HUMAN	Peptidyl-prolyl cis-trans isomerase-like 3 (PPIase) (EC 5.2.1.8) (Cyclophilin J) (CyP)	161	PPIL3	1	1	1	6.8	18.154
Q9H939	PPIP2_HUMAN	Proline-serine-threonine phosphatase-interacting protein 2 (PEST phosphatase-interacting)	334	PSTPIP2	1	1	1	2.4	38.858
P35813	PPM1A_HUMAN	Protein phosphatase 1A (EC 3.1.3.16) (Protein phosphatase 2C isoform alpha) (PP2C)	382	PPM1A	5	5	4	16.2	42.447
O75688	PPM1B_HUMAN	Protein phosphatase 1B (EC 3.1.3.16) (Protein phosphatase 2C isoform beta) (PP2C)	479	PPM1B	3	2	2	9	52.642
P49593	PPM1F_HUMAN	Protein phosphatase 1F (EC 3.1.3.16) (Ca ²⁺)/calmodulin-dependent protein kinase	454	PPM1F	6	6	6	19.6	49.83
O15355	PPM1G_HUMAN	Protein phosphatase 1G (EC 3.1.3.16) (Protein phosphatase 1C) (Protein phosphatase)	546	PPM1G	7	7	7	14.1	59.271
Q9Y570	PPME1_HUMAN	Protein phosphatase methylesterase 1 (PME-1) (EC 3.1.1.89)	386	PPME1	1	1	1	3.4	42.315
O95428	PPN_HUMAN	Papilin	1278	PAPLN	7	7	7	5.9	137.7
P50336	PPOX_HUMAN	Protoporphyrinogen oxidase (PPO) (EC 1.3.3.4)	477	PPOX	1	1	1	1.9	50.765
P53041	PPP5_HUMAN	Serine/threonine-protein phosphatase 5 (PP5) (EC 3.1.3.16) (Protein phosphatase)	499	PPP5C	5	5	5	10.6	56.878
O00743	PPP6_HUMAN	Serine/threonine-protein phosphatase 6 catalytic subunit (PP6C) (EC 3.1.3.16) [Cleaved into: Eosinophil granule protein 2]	305	PPP6C	6	6	6	25.9	35.144
Q6NYC8	PPR18_HUMAN	Phostensin (Protein phosphatase 1 F-actin cytoskeleton-targeting subunit) (Protein phosphatase 1 regulatory subunit 18)	613	PPP1R18	6	6	6	14.5	67.942
Q9UD71	PPR1B_HUMAN	Protein phosphatase 1 regulatory subunit 1B (DARPP-32) (Dopamine- and cAMP-regulated)	204	PPP1R1B	1	1	1	10.8	22.963
Q6ZMI0	PPR21_HUMAN	Protein phosphatase 1 regulatory subunit 21 (Coiled-coil domain-containing protein)	780	PPP1R21	2	2	2	3.1	88.313
P50897	PPT1_HUMAN	Palmitoyl-protein thioesterase 1 (PPT-1) (EC 3.1.2.22) (Palmitoyl-protein hydrolase)	306	PPT1	3	3	3	10.5	34.193
O75400	PR40A_HUMAN	Pre-mRNA-processing factor 40 homolog A (Fas ligand-associated factor 1) (Formin)	957	PRPF40A	3	3	3	3.4	108.8
O60831	PRAF2_HUMAN	PRA1 family protein 2	178	PRAF2	3	3	3	16.3	19.258
O75915	PRAF3_HUMAN	PRA1 family protein 3 (ADP-ribosylation factor-like protein 6-interacting protein 5) (C)	188	ARL6IP5	6	6	6	28.7	21.614
Q9Y520	PRC2C_HUMAN	Protein PRC2C (BAT2 domain-containing protein 1) (HBV X-transactivated gene 1)	2896	PRRC2C	2	2	2	0.6	316.91
Q969G5	PRDBP_HUMAN	Protein kinase C delta-binding protein (Cavin-3) (Serum opacification response factor)	261	PRKCDBP	5	5	5	18.4	27.701
Q06830	PRDX1_HUMAN	Peroxiredoxin-1 (EC 1.11.1.15) (Natural killer cell-enhancing factor A) (NKEF-A) (P)	199	PRDX1	12	12	8	54.3	22.11
P32119	PRDX2_HUMAN	Peroxiredoxin-2 (EC 1.11.1.15) (Natural killer cell-enhancing factor B) (NKEF-B) (P)	198	PRDX2	10	9	9	50.5	21.892
P30048	PRDX3_HUMAN	Thioredoxin-dependent peroxide reductase, mitochondrial (EC 1.11.1.15) (Antioxidant)	256	PRDX3	8	8	8	36.3	27.692
Q13162	PRDX4_HUMAN	Peroxiredoxin-4 (EC 1.11.1.15) (Antioxidant enzyme AOE372) (AOE37-2) (Peroxiredoxin)	271	PRDX4	9	6	6	43.2	30.54
P30044	PRDX5_HUMAN	Peroxiredoxin-5, mitochondrial (EC 1.11.1.15) (Alu corepressor 1) (Antioxidant enzyme)	214	PRDX5	8	8	8	55.1	22.086
P30041	PRDX6_HUMAN	Peroxiredoxin-6 (EC 1.11.1.15) (1-Cys peroxiredoxin) (1-Cys PRX) (24 kDa protein)	224	PRDX6	15	15	15	65.2	25.035
Q9HCU5	PREB_HUMAN	Prolactin regulatory element-binding protein (Mammalian guanine nucleotide exchange factor)	417	PREB	6	6	6	21.3	45.468
P51888	PRELP_HUMAN	Prolargin (Proline-arginine-rich end leucine-rich repeat protein)	382	PRELP	16	16	16	46.1	43.809
Q5JRX3	PREP_HUMAN	Presequence protease, mitochondrial (hPreP) (EC 3.4.24.-) (Pitriylsin metalloproteinase)	1037	PITRM1	9	9	9	9.2	117.41
P13727	PRG2_HUMAN	Bone marrow proteoglycan (BMPG) (Proteoglycan 2) [Cleaved into: Eosinophil granule protein 2]	222	PRG2	2	2	2	8.1	25.205
Q92954	PRG4_HUMAN	Proteoglycan 4 (Lubricin) (Megakaryocyte-stimulating factor) (Superficial zone proteoglycan)	1404	PRG4	1	1	1	0.6	151.08
P04156	PRIO_HUMAN	Major prion protein (PrP) (ASCR) (PrP27-30) (PrP33-35C) (CD antigen CD230)	253	PRNP	3	3	3	12.6	27.661
P78527	PRKDC_HUMAN	DNA-dependent protein kinase catalytic subunit (DNA-PK catalytic subunit) (DNA-PK)	4128	PRKDC	47	47	47	12.7	469.08

O75569	PRKRA_HUMAN	Interferon-inducible double-stranded RNA-dependent protein kinase activator A (Pr	313	PRKRA	6	6	6	22.7	34.404
P04070	PROC_HUMAN	Vitamin K-dependent protein C (EC 3.4.21.69) (Anticoagulant protein C) (Autoproth	461	PROC	4	4	4	10.2	52.071
P07737	PROF1_HUMAN	Profilin-1 (Epididymis tissue protein Li 184a) (Profilin I)	140	PFN1	8	8	7	77.1	15.054
P35080	PROF2_HUMAN	Profilin-2 (Profilin II)	140	PFN2	3	3	3	27.1	15.046
P27918	PROP_HUMAN	Properdin (Complement factor P)	469	CFP	3	3	3	10.7	51.276
P07225	PROS_HUMAN	Vitamin K-dependent protein S	676	PROS1	9	9	9	16.1	75.122
O94903	PROSC_HUMAN	Proline synthase co-transcribed bacterial homolog protein	275	PROSC	6	6	6	27.6	30.344
Q92786	PROX1_HUMAN	Prospero homeobox protein 1 (Homeobox prospero-like protein PROX1) (PROX-1)	737	PROX1	1	1	1	2.3	83.202
Q9UMS4	PRP19_HUMAN	Pre-mRNA-processing factor 19 (EC 2.3.2.27) (Nuclear matrix protein 200) (PRP19	504	PRPF19	7	7	7	15.1	55.18
Q8WWY3	PRP31_HUMAN	U4/U6 small nuclear ribonucleoprotein Prp31 (Pre-mRNA-processing factor 31) (Se	499	PRPF31	2	2	2	3	55.455
Q13523	PRP4B_HUMAN	Serine/threonine-protein kinase PRP4B homolog (EC 2.7.11.1) (PRP4 kinase) (PRP	1007	PRPF4B	3	3	3	2.9	116.99
O94906	PRP6_HUMAN	Pre-mRNA-processing factor 6 (Androgen receptor N-terminal domain-transactivati	941	PRPF6	8	8	8	8.5	106.92
Q6P2Q9	PRP8_HUMAN	Pre-mRNA-processing-splicing factor 8 (220 kDa U5 snRNP-specific protein) (PRP	2335	PRPF8	18	18	18	9.9	273.6
O43395	PRPF3_HUMAN	U4/U6 small nuclear ribonucleoprotein Prp3 (Pre-mRNA-splicing factor 3) (hPrp3) (	683	PRPF3	3	3	3	5.6	77.528
P60891	PRPS1_HUMAN	Ribose-phosphate pyrophosphokinase 1 (EC 2.7.6.1) (PPRibP) (Phosphoribosyl py	318	PRPS1	7	7	2	24.8	34.834
P11908	PRPS2_HUMAN	Ribose-phosphate pyrophosphokinase 2 (EC 2.7.6.1) (PPRibP) (Phosphoribosyl py	318	PRPS2	6	1	1	20.8	34.769
Q96M27	PRRC1_HUMAN	Protein PRRC1 (Proline-rich and coiled-coil-containing protein 1)	445	PRRC1	5	5	5	13.7	46.701
P62333	PRS10_HUMAN	26S protease regulatory subunit 10B (26S proteasome AAA-ATPase subunit RPT4	389	PSMC6	8	8	8	21.3	44.172
P62191	PRS4_HUMAN	26S protease regulatory subunit 4 (P26s4) (26S proteasome AAA-ATPase subunit	440	PSMC1	14	14	14	42	49.184
P17980	PRS6A_HUMAN	26S protease regulatory subunit 6A (26S proteasome AAA-ATPase subunit RPT5)	439	PSMC3	11	11	11	32.1	49.203
P43686	PRS6B_HUMAN	26S protease regulatory subunit 6B (26S proteasome AAA-ATPase subunit RPT3)	418	PSMC4	13	13	13	33.7	47.366
P35998	PRS7_HUMAN	26S protease regulatory subunit 7 (26S proteasome AAA-ATPase subunit RPT1) (f	433	PSMC2	14	14	14	33.3	48.633
P62195	PRS8_HUMAN	26S protease regulatory subunit 8 (26S proteasome AAA-ATPase subunit RPT6) (f	406	PSMC5	12	12	12	37.4	45.626
Q86TP1	PRUNE_HUMAN	Protein prune homolog (hPrune) (EC 3.6.1.1) (Drosophila-related expressed seque	453	PRUNE	1	1	1	4.6	50.199
P55786	PSA_HUMAN	Puromycin-sensitive aminopeptidase (PSA) (EC 3.4.11.14) (Cytosol alanyl aminope	919	NPEPPS	22	22	22	26.4	103.28
P25786	PSA1_HUMAN	Proteasome subunit alpha type-1 (EC 3.4.25.1) (30 kDa prosomal protein) (PROS-	263	PSMA1	11	11	11	41.8	29.555
P25787	PSA2_HUMAN	Proteasome subunit alpha type-2 (EC 3.4.25.1) (Macropain subunit C3) (Multicatal	234	PSMA2	7	7	7	29.9	25.898
P25788	PSA3_HUMAN	Proteasome subunit alpha type-3 (EC 3.4.25.1) (Macropain subunit C8) (Multicatal	255	PSMA3	10	10	10	38	28.433
P25789	PSA4_HUMAN	Proteasome subunit alpha type-4 (EC 3.4.25.1) (Macropain subunit C9) (Multicatal	261	PSMA4	9	9	9	42.9	29.483
P28066	PSA5_HUMAN	Proteasome subunit alpha type-5 (EC 3.4.25.1) (Macropain zeta chain) (Multicatal	241	PSMA5	8	8	8	51	26.411
P60900	PSA6_HUMAN	Proteasome subunit alpha type-6 (EC 3.4.25.1) (27 kDa prosomal protein) (PROS-	246	PSMA6	12	12	12	45.9	27.399
O14818	PSA7_HUMAN	Proteasome subunit alpha type-7 (EC 3.4.25.1) (Proteasome subunit RC6-1) (Prote	248	PSMA7	9	9	9	40.3	27.887
P20618	PSB1_HUMAN	Proteasome subunit beta type-1 (EC 3.4.25.1) (Macropain subunit C5) (Multicataly	241	PSMB1	5	5	5	24.9	26.489
P40306	PSB10_HUMAN	Proteasome subunit beta type-10 (EC 3.4.25.1) (Low molecular mass protein 10) (P	273	PSMB10	3	3	3	15	28.936
P49721	PSB2_HUMAN	Proteasome subunit beta type-2 (EC 3.4.25.1) (Macropain subunit C7-I) (Multicatal	201	PSMB2	6	6	6	25.9	22.836
P49720	PSB3_HUMAN	Proteasome subunit beta type-3 (EC 3.4.25.1) (Proteasome chain 13) (Proteasome	205	PSMB3	5	5	5	31.7	22.949
P28070	PSB4_HUMAN	Proteasome subunit beta type-4 (EC 3.4.25.1) (26 kDa prosomal protein) (HsBPRC	264	PSMB4	5	5	5	30.7	29.204
P28074	PSB5_HUMAN	Proteasome subunit beta type-5 (EC 3.4.25.1) (Macropain epsilon chain) (Multicat	263	PSMB5	5	5	5	22.8	28.48
P28072	PSB6_HUMAN	Proteasome subunit beta type-6 (EC 3.4.25.1) (Macropain delta chain) (Multicataly	239	PSMB6	6	6	6	23.4	25.357
Q99436	PSB7_HUMAN	Proteasome subunit beta type-7 (EC 3.4.25.1) (Macropain chain Z) (Multicatalytic e	277	PSMB7	4	4	4	14.4	29.965
P28062	PSB8_HUMAN	Proteasome subunit beta type-8 (EC 3.4.25.1) (Low molecular mass protein 7) (Ma	276	PSMB8	3	3	3	12.3	30.354
P28065	PSB9_HUMAN	Proteasome subunit beta type-9 (EC 3.4.25.1) (Low molecular mass protein 2) (Ma	219	PSMB9	2	2	2	13.7	23.264
O75832	PSD10_HUMAN	26S proteasome non-ATPase regulatory subunit 10 (26S proteasome regulatory su	226	PSMD10	4	4	4	24.3	24.428
O00231	PSD11_HUMAN	26S proteasome non-ATPase regulatory subunit 11 (26S proteasome regulatory su	422	PSMD11	10	10	9	28.4	47.463
O00232	PSD12_HUMAN	26S proteasome non-ATPase regulatory subunit 12 (26S proteasome regulatory su	456	PSMD12	7	7	7	20	52.904
Q9UNM6	PSD13_HUMAN	26S proteasome non-ATPase regulatory subunit 13 (26S proteasome regulatory su	376	PSMD13	10	10	10	23.7	42.945
O00487	PSDE_HUMAN	26S proteasome non-ATPase regulatory subunit 14 (EC 3.4.19.-) (26S proteasome	310	PSMD14	4	4	4	11.6	34.577
O75475	PSIP1_HUMAN	PC4 and SFRS1-interacting protein (CLL-associated antigen KW-7) (Dense fine sp	530	PSIP1	11	10	10	18.3	60.103
Q99460	PSMD1_HUMAN	26S proteasome non-ATPase regulatory subunit 1 (26S proteasome regulatory sub	953	PSMD1	19	19	19	25.7	105.84
Q13200	PSMD2_HUMAN	26S proteasome non-ATPase regulatory subunit 2 (26S proteasome regulatory sub	908	PSMD2	11	11	11	15	100.2
O43242	PSMD3_HUMAN	26S proteasome non-ATPase regulatory subunit 3 (26S proteasome regulatory sub	534	PSMD3	13	13	13	26.4	60.977
P55036	PSMD4_HUMAN	26S proteasome non-ATPase regulatory subunit 4 (26S proteasome regulatory sub	377	PSMD4	4	4	4	20.2	40.736

Q16401	PSMD5_HUMAN	26S proteasome non-ATPase regulatory subunit 5 (26S protease subunit S5 basic)	504	PSMD5	9	9	9	23.6	56.195
Q15008	PSMD6_HUMAN	26S proteasome non-ATPase regulatory subunit 6 (26S proteasome regulatory subunit 6)	389	PSMD6	5	5	5	13.6	45.531
P51665	PSMD7_HUMAN	26S proteasome non-ATPase regulatory subunit 7 (26S proteasome regulatory subunit 7)	324	PSMD7	1	1	1	7.4	37.025
P48556	PSMD8_HUMAN	26S proteasome non-ATPase regulatory subunit 8 (26S proteasome regulatory subunit 8)	350	PSMD8	2	2	2	5.4	39.611
O00233	PSMD9_HUMAN	26S proteasome non-ATPase regulatory subunit 9 (26S proteasome regulatory subunit 9)	223	PSMD9	3	3	3	13.9	24.682
Q06323	PSME1_HUMAN	Proteasome activator complex subunit 1 (11S regulator complex subunit alpha) (REACTOME)	249	PSME1	9	9	9	39	28.723
Q9UL46	PSME2_HUMAN	Proteasome activator complex subunit 2 (11S regulator complex subunit beta) (REACTOME)	239	PSME2	11	11	10	50.6	27.401
P61289	PSME3_HUMAN	Proteasome activator complex subunit 3 (11S regulator complex subunit gamma) (REACTOME)	254	PSME3	5	5	5	21.3	29.506
Q92530	PSMF1_HUMAN	Proteasome inhibitor PI31 subunit (hPI31)	271	PSMF1	5	5	5	22.9	29.816
O95456	PSMG1_HUMAN	Proteasome assembly chaperone 1 (PAC-1) (Chromosome 21 leucine-rich protein)	288	PSMG1	2	2	2	8.3	32.854
Q8WXF1	PSPC1_HUMAN	Paraspeckle component 1 (Paraspeckle protein 1)	523	PSPC1	8	7	7	18.2	58.743
P26599	PTBP1_HUMAN	Polypyrimidine tract-binding protein 1 (PTB) (57 kDa RNA-binding protein PPTB-1)	531	PTBP1	4	4	4	10	57.221
Q96EY7	PTCD3_HUMAN	Pentatricopeptide repeat domain-containing protein 3, mitochondrial (28S ribosome assembly factor)	689	PTCD3	1	1	1	1.2	78.549
Q96BW5	PTER_HUMAN	Phosphotriesterase-related protein (EC 3.1.-.-) (Parathion hydrolase-related protein)	349	PTER	2	2	2	4.9	39.017
Q16647	PTGIS_HUMAN	Prostacyclin synthase (EC 5.3.99.4) (Prostaglandin I2 synthase)	500	PTGIS	10	10	10	27.4	57.103
Q14914	PTGR1_HUMAN	Prostaglandin reductase 1 (PRG-1) (EC 1.3.1.-) (15-oxoprostaglandin 13-reductase)	329	PTGR1	7	7	7	21.9	35.869
Q8N8N7	PTGR2_HUMAN	Prostaglandin reductase 2 (PRG-2) (EC 1.3.1.48) (15-oxoprostaglandin 13-reductase)	351	PTGR2	2	2	2	7.7	38.499
Q9Y3E5	PTH2_HUMAN	Peptidyl-tRNA hydrolase 2, mitochondrial (PTH 2) (EC 3.1.1.29) (Bcl-2 inhibitor of transcription)	179	PTRH2	2	2	2	18.4	19.193
Q13308	PTK7_HUMAN	Inactive tyrosine-protein kinase 7 (Colon carcinoma kinase 4) (CCK-4) (Protein-tyrosine kinase)	1070	PTK7	3	3	3	3.5	118.39
P06454	PTMA_HUMAN	Prothymosin alpha [Cleaved into: Prothymosin alpha, N-terminally processed; Thymosin alpha]	111	PTMA	7	7	7	38.7	12.203
P20962	PTMS_HUMAN	Parathymosin	102	PTMS	4	4	4	23.5	11.53
P21246	PTN_HUMAN	Pleiotrophin (PTN) (Heparin-binding brain mitogen) (HBBM) (Heparin-binding growth factor)	168	PTN	1	1	1	5.4	18.942
P18031	PTN1_HUMAN	Tyrosine-protein phosphatase non-receptor type 1 (EC 3.1.3.48) (Protein-tyrosine phosphatase)	435	PTPN1	4	4	4	9.4	49.966
Q06124	PTN11_HUMAN	Tyrosine-protein phosphatase non-receptor type 11 (EC 3.1.3.48) (Protein-tyrosine phosphatase)	597	PTPN11	10	10	10	15.2	68.436
Q05209	PTN12_HUMAN	Tyrosine-protein phosphatase non-receptor type 12 (EC 3.1.3.48) (PTP-PEST) (Protein-tyrosine phosphatase)	780	PTPN12	2	2	2	2.7	88.105
Q9H3S7	PTN23_HUMAN	Tyrosine-protein phosphatase non-receptor type 23 (EC 3.1.3.48) (His domain-containing)	1636	PTPN23	8	8	8	6.1	178.97
P29350	PTN6_HUMAN	Tyrosine-protein phosphatase non-receptor type 6 (EC 3.1.3.48) (Hematopoietic cell growth factor)	595	PTPN6	8	8	8	17.8	67.56
Q15257	PTPA_HUMAN	Serine/threonine-protein phosphatase 2A activator (EC 5.2.1.8) (PP2A, subunit B')	358	PPP2R4	5	5	5	15.9	40.667
P18433	PTPRA_HUMAN	Receptor-type tyrosine-protein phosphatase alpha (Protein-tyrosine phosphatase alpha)	802	PTPRA	3	3	3	4.9	90.599
P08575	PTPRC_HUMAN	Receptor-type tyrosine-protein phosphatase C (EC 3.1.3.48) (Leukocyte common associated protein)	1304	PTPRC	8	8	8	7.2	147.25
P23469	PTPRE_HUMAN	Receptor-type tyrosine-protein phosphatase epsilon (Protein-tyrosine phosphatase epsilon)	700	PTPRE	1	1	1	1.7	80.641
P10586	PTPRF_HUMAN	Receptor-type tyrosine-protein phosphatase F (EC 3.1.3.48) (Leukocyte common associated protein)	1907	PTPRF	3	3	3	1.6	212.88
P23470	PTPRG_HUMAN	Receptor-type tyrosine-protein phosphatase gamma (Protein-tyrosine phosphatase gamma)	1445	PTPRG	2	2	2	1.2	162
Q13332	PTPRS_HUMAN	Receptor-type tyrosine-protein phosphatase S (R-PTP-S) (EC 3.1.3.48) (Receptor-type tyrosine phosphatase)	1948	PTPRS	1	1	1	0.5	217.04
Q6GMV3	PTRD1_HUMAN	Putative peptidyl-tRNA hydrolase PTRHD1 (EC 3.1.1.29) (Peptidyl-tRNA hydrolase)	140	PTRHD1	4	4	4	25	15.805
Q6NZI2	PTRF_HUMAN	Polymerase I and transcript release factor (Cavin-1)	390	PTRF	21	21	21	54.1	43.476
Q9BVG9	PTSS2_HUMAN	Phosphatidylserine synthase 2 (PSS-2) (PtdSer synthase 2) (EC 2.7.8.29) (Serine transferase)	487	PTDSS2	1	1	1	3.1	56.252
P26022	PTX3_HUMAN	Pentraxin-related protein PTX3 (Pentaxin-related protein PTX3) (Tumor necrosis factor)	381	PTX3	3	3	3	7.9	41.975
Q9UHX1	PUF60_HUMAN	Poly(U)-binding-splicing factor PUF60 (60 kDa poly(U)-binding-splicing factor) (FUS)	559	PUF60	7	7	7	14.1	59.875
Q14671	PUM1_HUMAN	Pumilio homolog 1 (HsPUM) (Pumilio-1)	1186	PUM1	2	2	2	1.9	126.47
Q15397	PUM3_HUMAN	Pumilio homolog 3 (HBV X-transactivated gene 5 protein) (HBV XAg-transactivated protein)	648	PUM3	1	1	1	2.6	73.584
P22102	PUR2_HUMAN	Trifunctional purine biosynthetic protein adenosine-3 [Includes: Phosphoribosylaminimidazole succinyltransferase]	1010	GART	11	11	11	13.2	107.77
P22234	PUR6_HUMAN	Multifunctional protein ADE2 [Includes: Phosphoribosylaminoimidazole-succinyltransferase]	425	PAICS	8	8	8	21.2	47.079
P30566	PUR8_HUMAN	Adenylosuccinate lyase (ADSL) (ASL) (EC 4.3.2.2) (Adenylosuccinase) (ASase)	484	ADSL	4	4	4	11.4	54.889
P31939	PUR9_HUMAN	Bifunctional purine biosynthesis protein PURH [Cleaved into: Bifunctional purine biosynthesis protein]	592	ATIC	18	18	18	45.9	64.615
Q00577	PURA_HUMAN	Transcriptional activator protein Pur-alpha (Purine-rich single-stranded DNA-binding protein)	322	PURA	8	8	8	34.8	34.91
Q8N142	PURA1_HUMAN	Adenylosuccinate synthetase isozyme 1 (AMPSase 1) (AdSS 1) (EC 6.3.4.4) (Adenylosuccinate synthetase)	457	ADSSL1	2	2	2	6.6	50.208
P30520	PURA2_HUMAN	Adenylosuccinate synthetase isozyme 2 (AMPSase 2) (AdSS 2) (EC 6.3.4.4) (Adenylosuccinate synthetase)	456	ADSS2	4	4	4	11.2	50.097
Q96QR8	PURB_HUMAN	Transcriptional activator protein Pur-beta (Purine-rich element-binding protein B)	312	PURB	6	6	6	34.3	33.24
P15151	PVR_HUMAN	Poliovirus receptor (Nectin-like protein 5) (NECL-5) (CD antigen CD155)	417	PVR	1	1	1	1.9	45.302
O96011	PX11B_HUMAN	Peroxisomal membrane protein 11B (Peroxin-11B) (Peroxisomal biogenesis factor 11B)	259	PEX11B	1	1	1	4.2	28.431
Q6UX71	PXDC2_HUMAN	Plexin domain-containing protein 2 (Tumor endothelial marker 7-related protein)	529	PLXDC2	3	3	3	6.4	59.582

Q92626	PXDN_HUMAN	Peroxidasin homolog (EC 1.11.1.7) (Melanoma-associated antigen MG50) (Vascul	1479	PXDN	12	12	12	11.9	165.27
P11498	PYC_HUMAN	Pyruvate carboxylase, mitochondrial (EC 6.4.1.1) (Pyruvic carboxylase) (PCB)	1178	PC	27	27	27	29.1	129.63
P11216	PYGB_HUMAN	Glycogen phosphorylase, brain form (EC 2.4.1.1)	843	PYGB	31	27	23	40.3	96.695
P06737	PYGL_HUMAN	Glycogen phosphorylase, liver form (EC 2.4.1.1)	847	PYGL	31	31	26	37.7	97.147
P11217	PYGM_HUMAN	Glycogen phosphorylase, muscle form (EC 2.4.1.1) (Myophosphorylase)	842	PYGM	22	14	14	24.2	97.091
P27708	PYR1_HUMAN	CAD protein [Includes: Glutamine-dependent carbamoyl-phosphate synthase (EC 6	2225	CAD	10	10	10	5.8	242.98
Q02127	PYRD_HUMAN	Dihydroorotate dehydrogenase (quinone), mitochondrial (DHODEHase) (EC 1.3.5.2	395	DHODH	1	1	1	3.5	42.867
Q8N2H3	PYRD2_HUMAN	Pyridine nucleotide-disulfide oxidoreductase domain-containing protein 2 (EC 1.-.-	581	PYROXD2	1	1	1	2.4	63.067
P17812	PYRG1_HUMAN	CTP synthase 1 (EC 6.3.4.2) (CTP synthetase 1) (UTP--ammonia ligase 1)	591	CTPS1	5	5	4	9.8	66.69
Q9NRF8	PYRG2_HUMAN	CTP synthase 2 (EC 6.3.4.2) (CTP synthetase 2) (UTP--ammonia ligase 2)	586	CTPS2	5	4	4	8.9	65.677
P20742	PZP_HUMAN	Pregnancy zone protein (C3 and PZP-like alpha-2-macroglobulin domain-containin	1482	PZP	10	2	2	8.2	163.86
P31930	QCR1_HUMAN	Cytochrome b-c1 complex subunit 1, mitochondrial (Complex III subunit 1) (Core pr	480	UQCRC1	16	16	15	44.4	52.645
P22695	QCR2_HUMAN	Cytochrome b-c1 complex subunit 2, mitochondrial (Complex III subunit 2) (Core pr	453	UQCRC2	14	14	14	33.8	48.442
P07919	QCR6_HUMAN	Cytochrome b-c1 complex subunit 6, mitochondrial (Complex III subunit 6) (Comple	91	UQCRH	5	5	5	53.8	10.739
P14927	QCR7_HUMAN	Cytochrome b-c1 complex subunit 7 (Complex III subunit 7) (Complex III subunit VI	111	UQCRB	8	8	8	54.1	13.53
O14949	QCR8_HUMAN	Cytochrome b-c1 complex subunit 8 (Complex III subunit 8) (Complex III subunit VI	82	UQCRQ	2	2	2	28	9.9062
Q9UDW1	QCR9_HUMAN	Cytochrome b-c1 complex subunit 9 (Complex III subunit 9) (Complex III subunit X)	63	UQCR10	2	2	2	39.7	7.3084
Q96PU8	QKI_HUMAN	Protein quaking (Hqk) (Hqkl)	341	QKI	2	2	2	5.6	37.67
Q08257	QOR_HUMAN	Quinone oxidoreductase (EC 1.6.5.5) (NADPH:quinone reductase) (Zeta-crystallin)	329	CRYZ	10	10	10	41.3	35.206
O95825	QORL1_HUMAN	Quinone oxidoreductase-like protein 1 (EC 1.-.-.-) (Protein 4P11) (Quinone oxidore	349	CRYZL1	1	1	1	3.4	38.696
Q53FA7	QORX_HUMAN	Quinone oxidoreductase PIG3 (EC 1.-.-.-) (Tumor protein p53-inducible protein 3) (	332	TP53I3	3	3	3	9.6	35.536
P61026	RAB10_HUMAN	Ras-related protein Rab-10	200	RAB10	11	10	9	50	22.541
Q6IQ22	RAB12_HUMAN	Ras-related protein Rab-12	244	RAB12	3	3	3	16	27.248
P51153	RAB13_HUMAN	Ras-related protein Rab-13 (Cell growth-inhibiting gene 4 protein)	203	RAB13	4	1	1	18.2	22.774
P61106	RAB14_HUMAN	Ras-related protein Rab-14	215	RAB14	9	9	9	47.9	23.897
Q9NP72	RAB18_HUMAN	Ras-related protein Rab-18	206	RAB18	6	6	6	36.9	22.977
P62820	RAB1A_HUMAN	Ras-related protein Rab-1A (YPT1-related protein)	205	RAB1A	14	14	7	75.6	22.677
Q9H0U4	RAB1B_HUMAN	Ras-related protein Rab-1B	201	RAB1B	13	6	6	74.1	22.171
Q9UL25	RAB21_HUMAN	Ras-related protein Rab-21	225	RAB21	5	5	5	20.9	24.347
Q9ULC3	RAB23_HUMAN	Ras-related protein Rab-23	237	RAB23	4	4	4	22.8	26.659
Q969Q5	RAB24_HUMAN	Ras-related protein Rab-24	203	RAB24	1	1	1	6.9	23.124
P61019	RAB2A_HUMAN	Ras-related protein Rab-2A	212	RAB2A	7	7	2	37.3	23.545
Q8WUD1	RAB2B_HUMAN	Ras-related protein Rab-2B	216	RAB2B	5	1	1	31	24.214
Q13636	RAB31_HUMAN	Ras-related protein Rab-31 (Ras-related protein Rab-22B)	194	RAB31	4	4	3	24.7	21.569
Q13637	RAB32_HUMAN	Ras-related protein Rab-32	225	RAB32	1	1	1	5.8	24.997
Q9BZG1	RAB34_HUMAN	Ras-related protein Rab-34 (Ras-related protein Rab-39) (Ras-related protein Rah)	259	RAB34	5	5	5	20.8	29.044
Q15286	RAB35_HUMAN	Ras-related protein Rab-35 (GTP-binding protein RAY) (Ras-related protein Rab-10	201	RAB35	7	7	7	28.9	23.025
P20336	RAB3A_HUMAN	Ras-related protein Rab-3A	220	RAB3A	3	2	2	17.7	24.984
Q95716	RAB3D_HUMAN	Ras-related protein Rab-3D	219	RAB3D	3	1	1	13.7	24.267
P20339	RAB5A_HUMAN	Ras-related protein Rab-5A	215	RAB5A	5	2	2	29.3	23.658
P61020	RAB5B_HUMAN	Ras-related protein Rab-5B	215	RAB5B	6	6	3	34.9	23.707
P51148	RAB5C_HUMAN	Ras-related protein Rab-5C (L1880) (RAB5L)	216	RAB5C	6	3	3	34.7	23.482
P20340	RAB6A_HUMAN	Ras-related protein Rab-6A (Rab-6)	208	RAB6A	4	4	4	20.7	23.593
Q9H0N0	RAB6C_HUMAN	Ras-related protein Rab-6C (Rab6-like protein WTH3)	254	RAB6C	1	1	1	8.7	28.355
P51149	RAB7A_HUMAN	Ras-related protein Rab-7a	207	RAB7A	12	12	12	65.2	23.489
P61006	RAB8A_HUMAN	Ras-related protein Rab-8A (Oncogene c-mel)	207	RAB8A	8	6	4	33.3	23.668
Q92930	RAB8B_HUMAN	Ras-related protein Rab-8B	207	RAB8B	6	2	2	26.1	23.584
P51151	RAB9A_HUMAN	Ras-related protein Rab-9A	201	RAB9A	2	2	2	10.4	22.837
Q15276	RABE1_HUMAN	Rab GTPase-binding effector protein 1 (Rabaptin-4) (Rabaptin-5) (Rabaptin-5alpha	862	RABEP1	2	2	2	3.4	99.289
Q9H5N1	RABE2_HUMAN	Rab GTPase-binding effector protein 2 (Rabaptin-5beta)	569	RABEP2	1	1	1	2.5	63.542
Q3YEC7	RABL6_HUMAN	Rab-like protein 6 (GTP-binding protein Parf) (Partner of ARF) (Rab-like protein 1) (	729	RABL6	3	3	3	5.1	79.548
P29373	RABP2_HUMAN	Cellular retinoic acid-binding protein 2 (Cellular retinoic acid-binding protein II) (CR	138	CRABP2	2	2	2	16.7	15.693

P63000	RAC1_HUMAN	Ras-related C3 botulinum toxin substrate 1 (Cell migration-inducing gene 5 protein)	192	RAC1	6	5	2	31.2	21.45
P63244	RACK1_HUMAN	Receptor of activated protein C kinase 1 (Cell proliferation-inducing gene 21 protein)	317	RACK1	13	13	13	58.4	35.076
P55042	RAD_HUMAN	GTP-binding protein RAD (RAD1) (Ras associated with diabetes)	308	RRAD	1	1	1	7.8	33.245
O60216	RAD21_HUMAN	Double-strand-break repair protein rad21 homolog (hHR21) (Nuclear matrix protein)	631	RAD21	4	4	4	6.8	71.689
Q92878	RAD50_HUMAN	DNA repair protein RAD50 (hRAD50) (EC 3.6.-.-)	1312	RAD50	11	11	11	8.6	153.89
P35241	RADI_HUMAN	Radixin	583	RDX	25	16	16	44.8	68.563
P78406	RAE1L_HUMAN	mRNA export factor (Rae1 protein homolog) (mRNA-associated protein mrnp 41)	368	RAE1	3	3	3	10.3	40.968
P46060	RAGP1_HUMAN	Ran GTPase-activating protein 1 (RanGAP1)	587	RANGAP1	3	3	3	5.3	63.541
Q9P0K7	RAI14_HUMAN	Ankyrin repeat and coiled-coil structure-containing protein (Novel retin)	980	RAI14	9	9	9	9.8	110.04
Q5U651	RAIN_HUMAN	Ras-interacting protein 1 (Rain)	963	RASIP1	5	5	5	8.5	103.46
P11233	RALA_HUMAN	Ras-related protein Ral-A	206	RALA	5	5	4	32	23.567
P11234	RALB_HUMAN	Ras-related protein Ral-B	206	RALB	4	3	3	21.8	23.408
Q9UKM9	RALY_HUMAN	RNA-binding protein Raly (Autoantigen p542) (Heterogeneous nuclear ribonucleop	306	RALY	6	6	6	18	32.463
P62826	RAN_HUMAN	GTP-binding nuclear protein Ran (Androgen receptor-associated protein 24) (GTP α	216	RAN	8	8	8	33.3	24.423
Q9H6Z4	RANB3_HUMAN	Ran-binding protein 3 (RanBP3)	567	RANBP3	1	1	1	1.8	60.209
P43487	RANG_HUMAN	Ran-specific GTPase-activating protein (Ran-binding protein 1) (RanBP1)	201	RANBP1	3	3	3	13.4	23.31
P62834	RAP1A_HUMAN	Ras-related protein Rap-1A (C21KG) (G-22K) (GTP-binding protein smg p21A) (Ra	184	RAP1A	8	3	3	41.3	20.987
P61224	RAP1B_HUMAN	Ras-related protein Rap-1b (GTP-binding protein smg p21B)	184	RAP1B	8	8	3	41.3	20.825
P61225	RAP2B_HUMAN	Ras-related protein Rap-2b	183	RAP2B	2	2	1	12	20.504
Q9Y3L5	RAP2C_HUMAN	Ras-related protein Rap-2c	183	RAP2C	2	1	1	13.7	20.745
Q99969	RARR2_HUMAN	Retinoic acid receptor responder protein 2 (Chemerin) (RAR-responsive protein TIC	163	RARRES2	3	3	3	19	18.617
P01116	RASK_HUMAN	GTPase KRas (K-Ras 2) (Ki-Ras) (c-K-ras) (c-Ki-ras) [Cleaved into: GTPase KRas,	189	KRAS	4	2	2	31.7	21.656
O14807	RASM_HUMAN	Ras-related protein M-Ras (Ras-related protein R-Ras3)	208	MRAS	3	3	2	15.4	23.846
P01111	RASN_HUMAN	GTPase NRas (Transforming protein N-Ras)	189	NRAS	4	4	2	29.1	21.229
Q15907	RB11B_HUMAN	Ras-related protein Rab-11B (GTP-binding protein YPT3)	218	RAB11B	13	13	13	60.6	24.488
Q8IXT5	RB12B_HUMAN	RNA-binding protein 12B (RNA-binding motif protein 12B)	1001	RBM12B	2	2	2	6.4	118.1
Q9UL26	RB22A_HUMAN	Ras-related protein Rab-22A (Rab-22)	194	RAB22A	2	1	1	12.4	21.855
Q15042	RB3GP_HUMAN	Rab3 GTPase-activating protein catalytic subunit (RAB3 GTPase-activating protein	981	RAB3GAP1	6	6	6	8.2	110.52
Q8IUD2	RB6I2_HUMAN	ELKS/Rab6-interacting/CAST family member 1 (ERC-1) (Rab6-interacting protein 2	1116	ERC1	8	8	6	7	128.08
Q09028	RBBP4_HUMAN	Histone-binding protein RBBP4 (Chromatin assembly factor 1 subunit C) (CAF-1 su	425	RBBP4	5	3	2	13.4	47.655
Q7Z6E9	RBBP6_HUMAN	E3 ubiquitin-protein ligase RBBP6 (EC 2.3.2.27) (Proliferation potential-related prot	1792	RBBP6	1	1	1	0.9	201.56
Q16576	RBBP7_HUMAN	Histone-binding protein RBBP7 (Histone acetyltransferase type B subunit 2) (Nucle	425	RBBP7	6	6	4	23.5	47.82
O75884	RBBP9_HUMAN	Putative hydrolase RBBP9 (EC 3.-.-) (B5T-overexpressed gene protein) (Protein E	186	RBBP9	4	4	4	26.3	21
Q9Y3P9	RBGP1_HUMAN	Rab GTPase-activating protein 1 (GAP and centrosome-associated protein) (Rab6	1069	RABGAP1	5	5	5	4.7	121.74
Q9H2M9	RBGPR_HUMAN	Rab3 GTPase-activating protein non-catalytic subunit (RGAP-iso) (Rab3 GTPase- α	1393	RAB3GAP2	3	3	3	2.4	155.98
P98175	RBM10_HUMAN	RNA-binding protein 10 (G patch domain-containing protein 9) (RNA-binding motif p	930	RBM10	3	3	3	4.7	103.53
Q9NTZ6	RBM12_HUMAN	RNA-binding protein 12 (RNA-binding motif protein 12) (SH3/WW domain anchor p	932	RBM12	2	2	2	3.3	97.394
Q96PK6	RBM14_HUMAN	RNA-binding protein 14 (Paraspeckle protein 2) (PSP2) (RNA-binding motif protein	669	RBM14	10	10	10	14.5	69.491
Q9NW64	RBM22_HUMAN	Pre-mRNA-splicing factor RBM22 (RNA-binding motif protein 22) (Zinc finger CCCf	420	RBM22	3	3	3	5.5	46.895
P49756	RBM25_HUMAN	RNA-binding protein 25 (Arg/Glu/Asp-rich protein of 120 kDa) (RED120) (Protein S	843	RBM25	4	4	4	5.5	100.18
Q14498	RBM39_HUMAN	RNA-binding protein 39 (CAPER alpha) (Hepatocellular carcinoma protein 1) (RNA	530	RBM39	3	3	3	7.2	59.379
Q9BQ04	RBM4B_HUMAN	RNA-binding protein 4B (RNA-binding motif protein 30) (RNA-binding motif protein	359	RBM4B	2	2	2	6.1	40.149
Q9Y5S9	RBM8A_HUMAN	RNA-binding protein 8A (Binder of OVCA1-1) (BOV-1) (RNA-binding motif protein E	174	RBM8A	5	5	5	31.6	19.889
Q6XE24	RBMS3_HUMAN	RNA-binding motif, single-stranded-interacting protein 3	437	RBMS3	2	2	2	6.4	47.839
P38159	RBMX_HUMAN	RNA-binding motif protein, X chromosome (Glycoprotein p43) (Heterogeneous nuc	391	RBMX	15	15	3	34.5	42.331
Q9H1K0	RBSN5_HUMAN	Rabenosyn-5 (110 kDa protein) (FYVE finger-containing Rab5 effector protein rabe	784	RBSN	2	2	2	3.4	88.869
Q15311	RBP1_HUMAN	RalA-binding protein 1 (RalBP1) (76 kDa Ral-interacting protein) (Dinitrophenyl S-g	655	RALBP1	1	1	1	1.8	76.063
P49792	RBP2_HUMAN	E3 SUMO-protein ligase RanBP2 (EC 6.3.2.-) (358 kDa nucleoporin) (Nuclear pore	3224	RANBP2	16	16	15	7.3	358.2
Q92804	RBP56_HUMAN	TATA-binding protein-associated factor 2N (68 kDa TATA-binding protein-associat	592	TAF15	6	4	4	19.1	61.829
Q93062	RBPMS_HUMAN	RNA-binding protein with multiple splicing (RBP-MS) (Heart and RRM expressed se	196	RBPMS	4	4	4	21.9	21.802
P62877	RBX1_HUMAN	E3 ubiquitin-protein ligase RBX1 (EC 6.3.2.-) (Protein ZYP) (RING finger protein 75	108	RBX1	1	1	1	16.7	12.274
O95199	RCBT2_HUMAN	RCC1 and BTB domain-containing protein 2 (Chromosome condensation 1-like) (C	551	RCBT2	1	1	1	3.1	60.315

P18754	RCC1_HUMAN	Regulator of chromosome condensation (Cell cycle regulatory protein) (Chromosom	421	RCC1	2	2	2	8.6	44.969
Q96151	RCC1L_HUMAN	RCC1-like G exchanging factor-like protein (RCC1 like) (Williams-Beuren syndrom	464	RCC1L	1	1	1	1.9	49.996
Q9P258	RCC2_HUMAN	Protein RCC2 (RCC1-like protein TD-60) (Telophase disk protein of 60 kDa)	522	RCC2	8	8	8	17.8	56.084
Q15293	RCN1_HUMAN	Reticulocalbin-1	331	RCN1	12	12	12	36	38.89
Q14257	RCN2_HUMAN	Reticulocalbin-2 (Calcium-binding protein ERC-55) (E6-binding protein) (E6BP)	317	RCN2	2	2	2	6.3	36.876
Q96D15	RCN3_HUMAN	Reticulocalbin-3 (EF-hand calcium-binding protein RLP49)	328	RCN3	5	5	5	20.1	37.493
P54725	RD23A_HUMAN	UV excision repair protein RAD23 homolog A (HR23A) (hHR23A)	363	RAD23A	8	6	6	21.8	39.609
P54727	RD23B_HUMAN	UV excision repair protein RAD23 homolog B (HR23B) (hHR23B) (XP-C repair-cor	409	RAD23B	9	9	7	18.6	43.171
Q92781	RDH1_HUMAN	11-cis retinol dehydrogenase (11-cis RDH) (11-cis RoDH) (EC 1.1.1.315) (9-cis reti	318	RDH5	2	2	2	8.5	34.978
Q8TC12	RDH11_HUMAN	Retinol dehydrogenase 11 (EC 1.1.1.300) (Androgen-regulated short-chain dehydr	318	RDH11	4	4	4	12.3	35.386
Q8NBN7	RDH13_HUMAN	Retinol dehydrogenase 13 (EC 1.1.1.-) (Short chain dehydrogenase/reductase fam	331	RDH13	3	3	3	13.3	35.932
Q9HBH5	RDH14_HUMAN	Retinol dehydrogenase 14 (EC 1.1.1.-) (Alcohol dehydrogenase PAN2) (Short chai	336	RDH14	4	4	4	16.7	36.864
O95980	RECK_HUMAN	Reversion-inducing cysteine-rich protein with Kazal motifs (hRECK) (Suppressor of	971	RECK	4	4	4	5	106.46
P46063	RECQ1_HUMAN	ATP-dependent DNA helicase Q1 (EC 3.6.4.12) (DNA helicase, RecQ-like type 1) (	649	RECQL	12	12	12	21.7	73.457
P78563	RED1_HUMAN	Double-stranded RNA-specific editase 1 (EC 3.5.4.37) (RNA-editing deaminase 1)	741	ADARB1	1	1	1	2.4	80.762
Q00765	REEP5_HUMAN	Receptor expression-enhancing protein 5 (Polyposis locus protein 1) (Protein TB2)	189	REEP5	5	5	5	19	21.493
P51606	RENBP_HUMAN	N-acylglucosamine 2-epimerase (AGE) (EC 5.1.3.8) (GlcNAc 2-epimerase) (N-acet	427	RENBP	1	1	1	1.6	48.83
Q92900	RENT1_HUMAN	Regulator of nonsense transcripts 1 (EC 3.6.4.-) (ATP-dependent helicase RENT1)	1129	UPF1	11	11	11	13.3	124.34
Q92785	REQU_HUMAN	Zinc finger protein ubi-d4 (Apoptosis response zinc finger protein) (BRG1-associate	391	DPF2	1	1	1	4.1	44.155
P09455	RET1_HUMAN	Retinol-binding protein 1 (Cellular retinol-binding protein) (CRBP) (Cellular retinol-b	135	RBP1	3	3	3	18.5	15.85
P02753	RET4_HUMAN	Retinol-binding protein 4 (Plasma retinol-binding protein) (PRBP) (RBP) [Cleaved ir	201	RBP4	9	9	9	55.7	23.01
Q96R05	RET7_HUMAN	Retinoid-binding protein 7 (Cellular retinoic acid-binding protein 4) (CRABP4) (CRB	134	RBP7	4	4	4	27.6	15.536
Q6NUM9	RETST_HUMAN	All-trans-retinol 13,14-reductase (EC 1.3.99.23) (All-trans-13,14-dihydroretinol satu	610	RETSAT	11	11	11	21.5	66.819
P27694	RFA1_HUMAN	Replication protein A 70 kDa DNA-binding subunit (RP-A p70) (Replication factor A	616	RPA1	10	10	10	22.2	68.137
P15927	RFA2_HUMAN	Replication protein A 32 kDa subunit (RP-A p32) (Replication factor A protein 2) (R	270	RPA2	3	3	3	16.7	29.247
P35244	RFA3_HUMAN	Replication protein A 14 kDa subunit (RP-A p14) (Replication factor A protein 3) (R	121	RPA3	1	1	1	13.2	13.569
Q14699	RFTN1_HUMAN	Raftlin (Cell migration-inducing gene 2 protein) (Raft-linking protein)	578	RFTN1	9	9	9	22.8	63.145
Q9H4X1	RGCC_HUMAN	Regulator of cell cycle RGCC (Response gene to complement 32 protein) (RGC-32	137	RGCC	1	1	1	8	14.559
Q6GYQ0	RGPA1_HUMAN	Ral GTPase-activating protein subunit alpha-1 (GAP-related-interacting partner to E	2036	RALGAPA1	3	3	3	1.3	229.83
Q02161	RHD_HUMAN	Blood group Rh(D) polypeptide (RHXIII) (Rh polypeptide 2) (RhPII) (Rhesus D antiç	417	RHD	2	2	2	4.1	45.21
Q07960	RHG01_HUMAN	Rho GTPase-activating protein 1 (CDC42 GTPase-activating protein) (GTPase-acti	439	ARHGAP1	16	16	16	42.8	50.435
A1A4S6	RHG10_HUMAN	Rho GTPase-activating protein 10 (GTPase regulator associated with focal adhesic	786	ARHGAP10	3	3	3	5.7	89.374
Q68EM7	RHG17_HUMAN	Rho GTPase-activating protein 17 (Rho-type GTPase-activating protein 17) (RhoG,	881	ARHGAP17	9	9	9	15.7	95.436
Q8N392	RHG18_HUMAN	Rho GTPase-activating protein 18 (MacGAP) (Rho-type GTPase-activating protein	663	ARHGAP18	3	3	3	5.3	74.976
A7KAX9	RHG32_HUMAN	Rho GTPase-activating protein 32 (Brain-specific Rho GTPase-activating protein) (	2087	ARHGAP32	1	1	1	0.7	230.53
P61586	RHOA_HUMAN	Transforming protein RhoA (Rho cDNA clone 12) (h12)	193	RHOA	7	7	6	40.9	21.768
P62745	RHOB_HUMAN	Rho-related GTP-binding protein RhoB (Rho cDNA clone 6) (h6)	196	RHOB	3	2	2	20.4	22.123
P84095	RHOG_HUMAN	Rho-related GTP-binding protein RhoG	191	RHOG	7	6	6	49.2	21.308
Q5UIP0	RIF1_HUMAN	Telomere-associated protein RIF1 (Rap1-interacting factor 1 homolog)	2472	RIF1	1	1	1	0.3	274.46
Q969G6	RIFK_HUMAN	Riboflavin kinase (EC 2.7.1.26) (ATP:riboflavin 5'-phosphotransferase) (Flavokinas	155	RFK	2	2	2	12.9	17.623
Q06587	RING1_HUMAN	E3 ubiquitin-protein ligase RING1 (EC 2.3.2.27) (Polycomb complex protein RING1	406	RING1	3	3	3	15	42.429
P13489	RINI_HUMAN	Ribonuclease inhibitor (Placental ribonuclease inhibitor) (Placental RNase inhibitor)	461	RNH1	19	19	19	54.2	49.973
P27635	RL10_HUMAN	60S ribosomal protein L10 (Laminin receptor homolog) (Protein QM) (Tumor suppr	214	RPL10	5	5	5	23.8	24.604
P62906	RL10A_HUMAN	60S ribosomal protein L10a (CSA-19) (Neural precursor cell expressed developme	217	RPL10A	9	9	9	36.4	24.831
P62913	RL11_HUMAN	60S ribosomal protein L11 (CLL-associated antigen KW-12)	178	RPL11	5	5	5	20.2	20.252
P30050	RL12_HUMAN	60S ribosomal protein L12	165	RPL12	8	8	8	54.5	17.818
P26373	RL13_HUMAN	60S ribosomal protein L13 (Breast basic conserved protein 1)	211	RPL13	7	7	7	31.8	24.261
P40429	RL13A_HUMAN	60S ribosomal protein L13a (23 kDa highly basic protein)	203	RPL13A	7	7	7	31.5	23.577
P50914	RL14_HUMAN	60S ribosomal protein L14 (CAG-ISL 7)	215	RPL14	3	3	3	14	23.432
P61313	RL15_HUMAN	60S ribosomal protein L15	204	RPL15	7	7	7	29.9	24.146
P18621	RL17_HUMAN	60S ribosomal protein L17 (60S ribosomal protein L23) (PD-1)	184	RPL17	3	3	3	21.2	21.397
Q07020	RL18_HUMAN	60S ribosomal protein L18	188	RPL18	4	4	4	25.5	21.634

Q02543	RL18A_HUMAN	60S ribosomal protein L18a	176 RPL18A	7	7	7	34.1	20.762
P84098	RL19_HUMAN	60S ribosomal protein L19	196 RPL19	5	5	5	18.4	23.466
O76021	RL1D1_HUMAN	Ribosomal L1 domain-containing protein 1 (CATX-11) (Cellular senescence-inhibite	490 RSL1D1	4	4	4	7.8	54.972
P46778	RL21_HUMAN	60S ribosomal protein L21	160 RPL21	4	4	4	13.8	18.565
P35268	RL22_HUMAN	60S ribosomal protein L22 (EBER-associated protein) (EAP) (Epstein-Barr virus srr	128 RPL22	3	3	3	30.5	14.787
P62829	RL23_HUMAN	60S ribosomal protein L23 (60S ribosomal protein L17)	140 RPL23	4	4	4	30	14.865
P62750	RL23A_HUMAN	60S ribosomal protein L23a	156 RPL23A	10	10	10	50	17.695
P83731	RL24_HUMAN	60S ribosomal protein L24 (60S ribosomal protein L30)	157 RPL24	6	6	6	26.1	17.779
Q9UNX3	RL26L_HUMAN	60S ribosomal protein L26-like 1	145 RPL26L1	5	5	1	22.8	17.256
P61353	RL27_HUMAN	60S ribosomal protein L27	136 RPL27	3	3	3	28.7	15.798
P46776	RL27A_HUMAN	60S ribosomal protein L27a	148 RPL27A	3	3	3	21.6	16.561
P46779	RL28_HUMAN	60S ribosomal protein L28	137 RPL28	4	4	4	21.9	15.747
P47914	RL29_HUMAN	60S ribosomal protein L29 (Cell surface heparin-binding protein HIP)	159 RPL29	3	3	3	18.2	17.752
P39023	RL3_HUMAN	60S ribosomal protein L3 (HIV-1 TAR RNA-binding protein B) (TARBP-B)	403 RPL3	15	15	15	36.7	46.108
P62888	RL30_HUMAN	60S ribosomal protein L30	115 RPL30	6	6	6	49.6	12.784
P62899	RL31_HUMAN	60S ribosomal protein L31	125 RPL31	6	6	6	36	14.463
P62910	RL32_HUMAN	60S ribosomal protein L32	135 RPL32	4	4	4	27.4	15.86
P49207	RL34_HUMAN	60S ribosomal protein L34	117 RPL34	4	4	4	29.9	13.293
P42766	RL35_HUMAN	60S ribosomal protein L35	123 RPL35	4	4	4	24.4	14.551
P18077	RL35A_HUMAN	60S ribosomal protein L35a (Cell growth-inhibiting gene 33 protein)	110 RPL35A	5	5	5	40	12.538
Q9Y3U8	RL36_HUMAN	60S ribosomal protein L36	105 RPL36	2	2	2	20	12.254
P83881	RL36A_HUMAN	60S ribosomal protein L36a (60S ribosomal protein L44) (Cell growth-inhibiting gen	106 RPL36A	5	5	2	26.4	12.441
Q969Q0	RL36L_HUMAN	60S ribosomal protein L36a-like	106 RPL36AL	5	2	2	26.4	12.469
P61927	RL37_HUMAN	60S ribosomal protein L37 (G1.16)	97 RPL37	4	4	4	26.8	11.078
P63173	RL38_HUMAN	60S ribosomal protein L38	70 RPL38	2	2	2	31.4	8.2178
P36578	RL4_HUMAN	60S ribosomal protein L4 (60S ribosomal protein L1)	427 RPL4	14	14	14	34.2	47.697
P62987	RL40_HUMAN	Ubiquitin-60S ribosomal protein L40 (CEP52) (Ubiquitin A-52 residue ribosomal pro	128 UBA52	6	1	1	44.5	14.728
P46777	RL5_HUMAN	60S ribosomal protein L5	297 RPL5	9	9	9	34.7	34.362
Q02878	RL6_HUMAN	60S ribosomal protein L6 (Neoplasm-related protein C140) (Tax-responsive enhanc	288 RPL6	10	10	10	24	32.728
P18124	RL7_HUMAN	60S ribosomal protein L7	248 RPL7	10	10	10	38.7	29.225
P62424	RL7A_HUMAN	60S ribosomal protein L7a (PLA-X polypeptide) (Surfeit locus protein 3)	266 RPL7A	9	9	9	32.3	29.995
Q6DK11	RL7L_HUMAN	60S ribosomal protein L7-like 1	246 RPL7L1	1	1	1	6.5	28.661
P62917	RL8_HUMAN	60S ribosomal protein L8	257 RPL8	10	10	10	44.4	28.024
P32969	RL9_HUMAN	60S ribosomal protein L9	192 RPL9	7	7	7	34.9	21.863
P05388	RLA0_HUMAN	60S acidic ribosomal protein P0 (60S ribosomal protein L10E)	317 RPLP0	9	9	2	34.1	34.273
P05386	RLA1_HUMAN	60S acidic ribosomal protein P1	114 RPLP1	1	1	1	37.7	11.514
P05387	RLA2_HUMAN	60S acidic ribosomal protein P2 (Renal carcinoma antigen NY-REN-44)	115 RPLP2	6	6	6	60.9	11.665
Q86X10	RLGPB_HUMAN	Ral GTPase-activating protein subunit beta (p170)	1494 RALGAPB	3	3	3	2.1	166.8
Q9BYD6	RM01_HUMAN	39S ribosomal protein L1, mitochondrial (L1mt) (MRP-L1)	325 MRPL1	1	1	1	3.7	36.908
P09001	RM03_HUMAN	39S ribosomal protein L3, mitochondrial (L3mt) (MRP-L3)	348 MRPL3	1	1	1	2.9	38.632
Q9BYD3	RM04_HUMAN	39S ribosomal protein L4, mitochondrial (L4mt) (MRP-L4)	311 MRPL4	1	1	1	5.1	34.919
Q9Y3B7	RM11_HUMAN	39S ribosomal protein L11, mitochondrial (L11mt) (MRP-L11)	192 MRPL11	1	1	1	6.2	20.683
P52815	RM12_HUMAN	39S ribosomal protein L12, mitochondrial (L12mt) (MRP-L12) (5c5-2)	198 MRPL12	4	4	4	16.2	21.348
P49406	RM19_HUMAN	39S ribosomal protein L19, mitochondrial (L19mt) (MRP-L19) (39S ribosomal prote	292 MRPL19	3	3	3	9.2	33.535
Q9BZE1	RM37_HUMAN	39S ribosomal protein L37, mitochondrial (L37mt) (MRP-L37) (39S ribosomal prote	423 MRPL37	1	1	1	4	48.117
Q96DV4	RM38_HUMAN	39S ribosomal protein L38, mitochondrial (L38mt) (MRP-L38)	380 MRPL38	2	2	2	5.5	44.596
Q9H9J2	RM44_HUMAN	39S ribosomal protein L44, mitochondrial (L44mt) (MRP-L44) (EC 3.1.26.-)	332 MRPL44	3	3	3	9.9	37.535
Q9H2W6	RM46_HUMAN	39S ribosomal protein L46, mitochondrial (L46mt) (MRP-L46) (P2ECSL)	279 MRPL46	1	1	1	3.6	31.705
Q13405	RM49_HUMAN	39S ribosomal protein L49, mitochondrial (L49mt) (MRP-L49) (Neighbor of FAU) (N	166 MRPL49	1	1	1	7.2	19.198
Q8N5N7	RM50_HUMAN	39S ribosomal protein L50, mitochondrial (L50mt) (MRP-L50)	158 MRPL50	2	2	2	15.2	18.325
Q96EL3	RM53_HUMAN	39S ribosomal protein L53, mitochondrial (L53mt) (MRP-L53)	112 MRPL53	1	1	1	13.4	12.107
Q96DB5	RMD1_HUMAN	Regulator of microtubule dynamics protein 1 (RMD-1) (hRMD-1) (Protein FAM82B)	314 RMDN1	4	4	4	19.7	35.808

Q96TC7	RMD3_HUMAN	Regulator of microtubule dynamics protein 3 (RMD-3) (hRMD-3) (Cerebral protein 1	470	RMDN3	1	1	1	2.3	52.118
Q9H871	RMD5A_HUMAN	Protein RMD5 homolog A	391	RMND5A	1	1	1	3.3	43.992
Q96E39	RMXL1_HUMAN	RNA binding motif protein, X-linked-like-1 (Heterogeneous nuclear ribonucleoprotei	390	RBMXL1	14	2	2	31.8	42.141
Q9Y508	RN114_HUMAN	E3 ubiquitin-protein ligase RNF114 (EC 6.3.2.-) (RING finger protein 114) (Zinc fing	228	RNF114	2	2	2	8.8	25.694
Q5XPI4	RN123_HUMAN	E3 ubiquitin-protein ligase RNF123 (EC 6.3.2.-) (Kip1 ubiquitination-promoting com	1314	RNF123	3	3	3	1.8	148.51
Q96K19	RN170_HUMAN	E3 ubiquitin-protein ligase RNF170 (EC 6.3.2.-) (Putative LAG1-interacting protein)	258	RNF170	2	2	2	7.4	29.814
Q63HN8	RN213_HUMAN	E3 ubiquitin-protein ligase RNF213 (EC 3.6.4.-) (EC 6.3.2.-) (ALK lymphoma oligon	5207	RNF213	7	7	7	1.4	591.4
Q05823	RN5A_HUMAN	2-5A-dependent ribonuclease (2-5A-dependent RNase) (EC 3.1.26.-) (Ribonucleas	741	RNASEL	1	1	1	1.2	83.532
P07998	RNAS1_HUMAN	Ribonuclease pancreatic (EC 3.1.27.5) (HP-RNase) (RIB-1) (RNase Upl-1) (Ribonu	156	RNASE1	2	2	2	19.2	17.644
P10153	RNAS2_HUMAN	Non-secretory ribonuclease (EC 3.1.27.5) (Eosinophil-derived neurotoxin) (RNase I	161	RNASE2	3	3	3	19.9	18.354
P34096	RNAS4_HUMAN	Ribonuclease 4 (RNase 4) (EC 3.1.27.-)	147	RNASE4	1	1	1	12.2	16.84
Q15287	RNPS1_HUMAN	RNA-binding protein with serine-rich domain 1 (SR-related protein LDC2)	305	RNPS1	1	1	1	4.9	34.208
O00584	RNT2_HUMAN	Ribonuclease T2 (EC 3.1.27.-) (Ribonuclease 6)	256	RNASET2	1	1	1	3.9	29.48
P19474	RO52_HUMAN	E3 ubiquitin-protein ligase TRIM21 (EC 6.3.2.-) (52 kDa Ro protein) (52 kDa ribonu	475	TRIM21	6	6	6	12.2	54.169
P10155	RO60_HUMAN	60 kDa SS-A/Ro ribonucleoprotein (60 kDa Ro protein) (60 kDa ribonucleoprotein F	538	TROVE2	13	13	13	22.9	60.67
Q13151	ROA0_HUMAN	Heterogeneous nuclear ribonucleoprotein A0 (hnRNP A0)	305	HNRNPA0	9	9	9	36.1	30.84
P09651	ROA1_HUMAN	Heterogeneous nuclear ribonucleoprotein A1 (hnRNP A1) (Helix-destabilizing prote	372	HNRNPA1	11	10	10	39.8	38.746
P22626	ROA2_HUMAN	Heterogeneous nuclear ribonucleoproteins A2/B1 (hnRNP A2/B1)	353	HNRNPA2B1	19	19	19	60.9	37.429
P51991	ROA3_HUMAN	Heterogeneous nuclear ribonucleoprotein A3 (hnRNP A3)	378	HNRNPA3	14	14	13	41.5	39.594
Q99729	ROAA_HUMAN	Heterogeneous nuclear ribonucleoprotein A/B (hnRNP A/B) (APOBEC1-binding pro	332	HNRNPAB	3	2	2	8.1	36.224
Q13464	ROCK1_HUMAN	Rho-associated protein kinase 1 (EC 2.7.11.1) (Renal carcinoma antigen NY-REN-	1354	ROCK1	24	24	21	18.2	158.17
O75116	ROCK2_HUMAN	Rho-associated protein kinase 2 (EC 2.7.11.1) (Rho kinase 2) (Rho-associated, coi	1388	ROCK2	20	17	17	16	160.9
P52434	RPAB3_HUMAN	DNA-directed RNA polymerases I, II, and III subunit RPABC3 (RNA polymerases I,	150	POLR2H	1	1	1	8.7	17.143
P30876	RPB2_HUMAN	DNA-directed RNA polymerase II subunit RPB2 (EC 2.7.7.6) (DNA-directed RNA p	1174	POLR2B	1	1	1	1	133.9
P19387	RPB3_HUMAN	DNA-directed RNA polymerase II subunit RPB3 (RNA polymerase II subunit 3) (RN	275	POLR2C	1	1	1	5.1	31.441
P62487	RPB7_HUMAN	DNA-directed RNA polymerase II subunit RPB7 (RNA polymerase II subunit B7) (D	172	POLR2G	1	1	1	7.6	19.294
Q96AT9	RPE_HUMAN	Ribulose-phosphate 3-epimerase (EC 5.1.3.1) (Ribulose-5-phosphate-3-epimerase	228	RPE	2	2	2	12.3	24.927
P49247	RPIA_HUMAN	Ribose-5-phosphate isomerase (EC 5.3.1.6) (Phosphoriboisomerase)	311	RPIA	4	4	4	11.3	33.269
P04843	RPN1_HUMAN	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 (EC 2.4.9	607	RPN1	24	24	24	40.2	68.569
P04844	RPN2_HUMAN	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2 (EC 2.4.9	631	RPN2	8	8	8	19.7	69.283
Q9NQG5	RPR1B_HUMAN	Regulation of nuclear pre-mRNA domain-containing protein 1B (Cell cycle-related e	326	RPRD1B	5	5	5	20.9	36.899
Q7L523	RRAGA_HUMAN	Ras-related GTP-binding protein A (Rag A) (RagA) (Adenovirus E3 14.7 kDa-intera	313	RRAGA	1	1	1	4.2	36.566
P10301	RRAS_HUMAN	Ras-related protein R-Ras (p23)	218	RRAS	7	7	6	40.4	23.48
P62070	RRAS2_HUMAN	Ras-related protein R-Ras2 (Ras-like protein TC21) (Teratocarcinoma oncogene)	204	RRAS2	4	3	3	21.1	23.399
Q9P2E9	RRBP1_HUMAN	Ribosome-binding protein 1 (180 kDa ribosome receptor homolog) (RRp) (ES/130-i	1410	RRBP1	59	59	59	56.5	152.47
Q96EU6	RRP36_HUMAN	Ribosomal RNA processing protein 36 homolog	259	RRP36	1	1	1	3.9	29.823
Q9Y2L1	RRP44_HUMAN	Exosome complex exonuclease RRP44 (EC 3.1.13.-) (EC 3.1.26.-) (Protein DIS3 h	958	DIS3	3	3	3	3.9	109
P46783	RS10_HUMAN	40S ribosomal protein S10	165	RPS10	7	7	7	38.8	18.898
P62280	RS11_HUMAN	40S ribosomal protein S11	158	RPS11	11	11	11	50	18.431
P25398	RS12_HUMAN	40S ribosomal protein S12	132	RPS12	6	6	6	63.6	14.515
P62277	RS13_HUMAN	40S ribosomal protein S13	151	RPS13	6	6	6	35.1	17.222
P62263	RS14_HUMAN	40S ribosomal protein S14	151	RPS14	4	4	4	36.4	16.273
P62841	RS15_HUMAN	40S ribosomal protein S15 (RIG protein)	145	RPS15	2	2	2	13.1	17.04
P62244	RS15A_HUMAN	40S ribosomal protein S15a	130	RPS15A	3	3	3	31.5	14.839
P62249	RS16_HUMAN	40S ribosomal protein S16	146	RPS16	11	11	11	54.8	16.445
P08708	RS17_HUMAN	40S ribosomal protein S17	135	RPS17	6	6	6	28.9	15.55
P62269	RS18_HUMAN	40S ribosomal protein S18 (Ke-3) (Ke3)	152	RPS18	9	9	9	40.8	17.718
P39019	RS19_HUMAN	40S ribosomal protein S19	145	RPS19	6	6	6	40	16.06
P15880	RS2_HUMAN	40S ribosomal protein S2 (40S ribosomal protein S4) (Protein LLRep3)	293	RPS2	7	7	7	25.6	31.324
P60866	RS20_HUMAN	40S ribosomal protein S20	119	RPS20	6	6	6	37	13.373
P63220	RS21_HUMAN	40S ribosomal protein S21	83	RPS21	4	4	4	57.8	9.1113
P62266	RS23_HUMAN	40S ribosomal protein S23	143	RPS23	4	4	4	35	15.807

P62847	RS24_HUMAN	40S ribosomal protein S24	133 RPS24	4	4	4	27.8	15.423
P62851	RS25_HUMAN	40S ribosomal protein S25	125 RPS25	4	4	4	28	13.742
P62854	RS26_HUMAN	40S ribosomal protein S26	115 RPS26	2	2	2	20.9	13.015
P42677	RS27_HUMAN	40S ribosomal protein S27 (Metallopan-stimulin 1) (MPS-1)	84 RPS27	3	3	3	38.1	9.461
P62979	RS27A_HUMAN	Ubiquitin-40S ribosomal protein S27a (Ubiquitin carboxyl extension protein 80) [Cle	156 RPS27A	7	7	2	50.6	17.965
P62857	RS28_HUMAN	40S ribosomal protein S28	69 RPS28	3	3	3	46.4	7.8409
P62273	RS29_HUMAN	40S ribosomal protein S29	56 RPS29	2	2	2	33.9	6.6767
P23396	RS3_HUMAN	40S ribosomal protein S3 (EC 4.2.99.18)	243 RPS3	16	16	16	70.4	26.688
P61247	RS3A_HUMAN	40S ribosomal protein S3a (v-fos transformation effector protein) (Fte-1)	264 RPS3A	11	11	11	43.2	29.945
P62701	RS4X_HUMAN	40S ribosomal protein S4, X isoform (SCR10) (Single copy abundant mRNA proteir	263 RPS4X	13	13	5	46	29.597
P22090	RS4Y1_HUMAN	40S ribosomal protein S4, Y isoform 1	263 RPS4Y1	8	2	1	22.1	29.455
P46782	RS5_HUMAN	40S ribosomal protein S5 [Cleaved into: 40S ribosomal protein S5, N-terminally pro	204 RPS5	7	7	7	33.3	22.876
P62753	RS6_HUMAN	40S ribosomal protein S6 (Phosphoprotein NP33)	249 RPS6	7	7	7	24.5	28.68
P62081	RS7_HUMAN	40S ribosomal protein S7	194 RPS7	5	5	5	21.1	22.127
P62241	RS8_HUMAN	40S ribosomal protein S8	208 RPS8	6	6	6	34.1	24.205
P46781	RS9_HUMAN	40S ribosomal protein S9	194 RPS9	10	10	10	42.8	22.591
Q96T23	RSF1_HUMAN	Remodeling and spacing factor 1 (Rsf-1) (HBV pX-associated protein 8) (Hepatitis I	1441 RSF1	1	1	1	1.2	163.82
P63162	RSMN_HUMAN	Small nuclear ribonucleoprotein-associated protein N (snRNP-N) (Sm protein D) (S	240 SNRPN	6	6	6	21.7	24.614
P08865	RSSA_HUMAN	40S ribosomal protein SA (37 kDa laminin receptor precursor) (37LRP) (37/67 kDa	295 RPSA	8	8	8	39	32.854
Q15404	RSU1_HUMAN	Ras suppressor protein 1 (RSP-1) (Rsu-1)	277 RSU1	11	11	11	42.2	31.54
P82675	RT05_HUMAN	28S ribosomal protein S5, mitochondrial (MRP-S5) (S5mt)	430 MRPS5	1	1	1	1.9	48.006
P82933	RT09_HUMAN	28S ribosomal protein S9, mitochondrial (MRP-S9) (S9mt)	396 MRPS9	1	1	1	2	45.834
O60783	RT14_HUMAN	28S ribosomal protein S14, mitochondrial (MRP-S14) (S14mt)	128 MRPS14	1	1	1	11.7	15.139
Q9Y3D3	RT16_HUMAN	28S ribosomal protein S16, mitochondrial (MRP-S16) (S16mt)	137 MRPS16	1	1	1	13.1	15.345
P82921	RT21_HUMAN	28S ribosomal protein S21, mitochondrial (MRP-S21) (S21mt)	87 MRPS21	1	1	1	13.8	10.741
P82650	RT22_HUMAN	28S ribosomal protein S22, mitochondrial (MRP-S22) (S22mt)	360 MRPS22	4	4	4	10.6	41.28
Q9BYN8	RT26_HUMAN	28S ribosomal protein S26, mitochondrial (MRP-S26) (S26mt) (28S ribosomal prote	205 MRPS26	2	2	2	8.8	24.211
Q92552	RT27_HUMAN	28S ribosomal protein S27, mitochondrial (MRP-S27) (S27mt)	414 MRPS27	4	4	4	11.4	47.611
P51398	RT29_HUMAN	28S ribosomal protein S29, mitochondrial (MRP-S29) (S29mt) (Death-associated p	398 DAP3	3	3	3	10.1	45.566
Q92665	RT31_HUMAN	28S ribosomal protein S31, mitochondrial (MRP-S31) (S31mt) (Imogen 38)	395 MRPS31	2	2	2	9.6	45.318
P82930	RT34_HUMAN	28S ribosomal protein S34, mitochondrial (MRP-S34) (S34mt)	218 MRPS34	1	1	1	6.4	25.65
P82673	RT35_HUMAN	28S ribosomal protein S35, mitochondrial (MRP-S35) (S35mt) (28S ribosomal prote	323 MRPS35	1	1	1	5.9	36.844
P82909	RT36_HUMAN	28S ribosomal protein S36, mitochondrial (MRP-S36) (S36mt)	103 MRPS36	2	2	2	24.3	11.466
O00442	RTCA_HUMAN	RNA 3'-terminal phosphate cyclase (RNA cyclase) (RNA-3'-phosphate cyclase) (EC	366 RTCA	2	2	2	6.3	39.336
Q9Y310	RTCB_HUMAN	tRNA-splicing ligase RtcB homolog (EC 6.5.1.3)	505 RTCB	9	9	9	23.2	55.21
Q9BY42	RTF2_HUMAN	Protein RTF2 homolog (Replication termination factor 2 domain-containing protein	306 RTFDC1	2	2	2	6.2	33.886
Q16799	RTN1_HUMAN	Reticulon-1 (Neuroendocrine-specific protein)	776 RTN1	6	6	6	8	83.617
O95197	RTN3_HUMAN	Reticulon-3 (Homolog of ASY protein) (HAP) (Neuroendocrine-specific protein-like	1032 RTN3	1	1	1	1.1	112.61
Q9NQCS	RTN4_HUMAN	Reticulon-4 (Foocen) (Neurite outgrowth inhibitor) (Nogo protein) (Neuroendocrine-	1192 RTN4	7	7	7	9.8	129.93
P08621	RU17_HUMAN	U1 small nuclear ribonucleoprotein 70 kDa (U1 snRNP 70 kDa) (U1-70K) (snRNP7	437 SNRNP70	11	11	11	28.4	51.556
P09234	RU1C_HUMAN	U1 small nuclear ribonucleoprotein C (U1 snRNP C) (U1-C) (U1C)	159 SNRPC	1	1	1	7.5	17.394
P09661	RU2A_HUMAN	U2 small nuclear ribonucleoprotein A' (U2 snRNP A')	255 SNRPA1	2	2	2	8.2	28.415
P08579	RU2B_HUMAN	U2 small nuclear ribonucleoprotein B" (U2 snRNP B")	225 SNRPB2	6	6	5	28.9	25.486
Q96T51	RUFY1_HUMAN	RUN and FYVE domain-containing protein 1 (FYVE-finger protein EIP1) (La-binding	708 RUFY1	3	3	3	4.8	79.817
Q96GQ5	RUS1_HUMAN	RUS1 family protein C16orf58	468 C16orf58	2	2	2	7.3	51.017
Q9Y265	RUVB1_HUMAN	RuvB-like 1 (EC 3.6.4.12) (49 kDa TATA box-binding protein-interacting protein) (4	456 RUVBL1	5	5	5	14.3	50.227
Q9Y230	RUVB2_HUMAN	RuvB-like 2 (EC 3.6.4.12) (48 kDa TATA box-binding protein-interacting protein) (4	463 RUVBL2	9	9	9	22.5	51.156
P62304	RUXE_HUMAN	Small nuclear ribonucleoprotein E (snRNP-E) (Sm protein E) (Sm-E) (SmE)	92 SNRPE	1	1	1	13	10.803
P62306	RUXF_HUMAN	Small nuclear ribonucleoprotein F (snRNP-F) (Sm protein F) (Sm-F) (SmF)	86 SNRPF	2	2	2	24.4	9.7251
P62308	RUXG_HUMAN	Small nuclear ribonucleoprotein G (snRNP-G) (Sm protein G) (Sm-G) (SmG)	76 SNRPG	2	2	2	18.4	8.496
Q9H446	RWDD1_HUMAN	RWD domain-containing protein 1 (DRG family-regulatory protein 2)	243 RWDD1	2	2	2	7.4	27.939
Q92736	RYR2_HUMAN	Ryanodine receptor 2 (RYR-2) (RyR2) (hRyR-2) (Cardiac muscle ryanodine recept	4967 RYR2	1	1	1	0.3	564.56

P04271	S100B_HUMAN	Protein S100-B (S-100 protein beta chain) (S-100 protein subunit beta) (S100 calci	92 S100B	3	3	3	40.2	10.713
P23297	S10A1_HUMAN	Protein S100-A1 (S-100 protein alpha chain) (S-100 protein subunit alpha) (S100 c	94 S100A1	1	1	1	16	10.546
P26447	S10A4_HUMAN	Protein S100-A4 (Calvasculin) (Metastasin) (Placental calcium-binding protein) (Prc	101 S100A4	4	4	4	25.7	11.728
P06703	S10A6_HUMAN	Protein S100-A6 (Calcyclin) (Growth factor-inducible protein 2A9) (MLN 4) (Prolacti	90 S100A6	8	8	8	82.2	10.18
P31151	S10A7_HUMAN	Protein S100-A7 (Psoriasin) (S100 calcium-binding protein A7)	101 S100A7	1	1	1	10.9	11.471
P05109	S10A8_HUMAN	Protein S100-A8 (Calgranulin-A) (Calprotectin L1L subunit) (Cystic fibrosis antigen)	93 S100A8	9	9	9	68.8	10.834
P06702	S10A9_HUMAN	Protein S100-A9 (Calgranulin-B) (Calprotectin L1H subunit) (Leukocyte L1 complex	114 S100A9	7	7	7	70.2	13.242
P60903	S10AA_HUMAN	Protein S100-A10 (Calpactin I light chain) (Calpactin-1 light chain) (Cellular ligand c	97 S100A10	3	3	3	17.5	11.203
P31949	S10AB_HUMAN	Protein S100-A11 (Calgizzarin) (Metastatic lymph node gene 70 protein) (MLN 70)	105 S100A11	5	5	5	49.5	11.74
P80511	S10AC_HUMAN	Protein S100-A12 (CGRP) (Calcium-binding protein in amniotic fluid 1) (CAAF1) (C	92 S100A12	3	3	3	26.1	10.575
Q99584	S10AD_HUMAN	Protein S100-A13 (S100 calcium-binding protein A13)	98 S100A13	5	5	5	36.7	11.471
Q96FQ6	S10AG_HUMAN	Protein S100-A16 (Aging-associated gene 13 protein) (Protein S100-F) (S100 calci	103 S100A16	4	4	4	42.7	11.801
Q9UP95	S12A4_HUMAN	Solute carrier family 12 member 4 (Electroneutral potassium-chloride cotransporter	1085 SLC12A4	2	2	2	1.5	120.65
Q9Y666	S12A7_HUMAN	Solute carrier family 12 member 7 (Electroneutral potassium-chloride cotransporter	1083 SLC12A7	1	1	1	1	119.1
Q9BXP2	S12A9_HUMAN	Solute carrier family 12 member 9 (Cation-chloride cotransporter 6) (hCCC6) (Catic	914 SLC12A9	1	1	1	1.8	96.109
Q8N697	S15A4_HUMAN	Solute carrier family 15 member 4 (Peptide transporter 4) (Peptide/histidine transpc	577 SLC15A4	1	1	1	2.4	62.033
Q9BZV2	S19A3_HUMAN	Thiamine transporter 2 (ThTr-2) (ThTr2) (Solute carrier family 19 member 3)	496 SLC19A3	1	1	1	6.9	55.664
Q08357	S20A2_HUMAN	Sodium-dependent phosphate transporter 2 (Gibbon ape leukemia virus receptor 2	652 SLC20A2	1	1	1	1.4	70.392
O75751	S22A3_HUMAN	Solute carrier family 22 member 3 (Extraneuronal monoamine transporter) (EMT) ((	556 SLC22A3	2	2	2	4.1	61.279
Q9Y6Y8	S23IP_HUMAN	SEC23-interacting protein (p125)	1000 SEC23IP	5	5	5	6.5	111.08
Q96AG3	S25A6_HUMAN	Solute carrier family 25 member 46	418 SLC25A6	3	3	3	7.7	46.173
Q6PCB7	S27A1_HUMAN	Long-chain fatty acid transport protein 1 (FATP-1) (Fatty acid transport protein 1) (E	646 SLC27A1	3	3	3	8.4	71.107
Q5K4L6	S27A3_HUMAN	Long-chain fatty acid transport protein 3 (FATP-3) (Fatty acid transport protein 3) (E	730 SLC27A3	4	4	4	10	78.643
Q6P1M0	S27A4_HUMAN	Long-chain fatty acid transport protein 4 (FATP-4) (Fatty acid transport protein 4) (E	643 SLC27A4	2	2	2	4.4	72.063
Q99808	S29A1_HUMAN	Equilibrative nucleoside transporter 1 (Equilibrative nitrobenzylmercaptapurine ribo:	456 SLC29A1	2	2	2	4.2	50.219
Q9HBR0	S38AA_HUMAN	Putative sodium-coupled neutral amino acid transporter 10 (Solute carrier family 38	1119 SLC38A10	2	2	2	1.6	119.76
Q92504	S39A7_HUMAN	Zinc transporter SLC39A7 (Histidine-rich membrane protein Ke4) (Really interestin	469 SLC39A7	3	3	3	6.8	50.117
Q15043	S39AE_HUMAN	Zinc transporter ZIP14 (LIV-1 subfamily of ZIP zinc transporter 4) (LZT-Hs4) (Solut	492 SLC39A14	1	1	1	2.6	54.212
Q96GZ6	S41A3_HUMAN	Solute carrier family 41 member 3	507 SLC41A3	1	1	1	3.6	54.766
Q8NB15	S43A3_HUMAN	Solute carrier family 43 member 3 (Protein FOAP-13)	491 SLC43A3	1	1	1	1.8	54.528
P61619	S61A1_HUMAN	Protein transport protein Sec61 subunit alpha isoform 1 (Sec61 alpha-1)	476 SEC61A1	4	4	4	8.4	52.264
P0DJ18	SAA1_HUMAN	Serum amyloid A-1 protein (SAA) [Cleaved into: Amyloid protein A (Amyloid fibril pr	122 SAA1	6	6	6	63.9	13.532
P35542	SAA4_HUMAN	Serum amyloid A-4 protein (Constitutively expressed serum amyloid A protein) (C- ξ	130 SAA4	2	2	2	14.6	14.746
Q9NTJ5	SAC1_HUMAN	Phosphatidylinositolide phosphatase SAC1 (EC 3.1.3.-) (Suppressor of actin mutatioi	587 SACM1L	7	7	7	11.6	66.966
Q9UBE0	SAE1_HUMAN	SUMO-activating enzyme subunit 1 (Ubiquitin-like 1-activating enzyme E1A) [Cleav	346 SAE1	7	7	7	26.9	38.449
Q9UBT2	SAE2_HUMAN	SUMO-activating enzyme subunit 2 (EC 6.3.2.-) (Anthracycline-associated resistan	640 UBA2	10	10	10	21.7	71.223
Q15424	SAFB1_HUMAN	Scaffold attachment factor B1 (SAF-B) (SAF-B1) (HSP27 estrogen response eleme	915 SAFB	10	10	4	14.3	102.64
P23526	SAHH_HUMAN	Adenosylhomocysteinase (AdoHcyase) (EC 3.3.1.1) (S-adenosyl-L-homocysteine t	432 AHCY	13	13	13	34.7	47.716
O43865	SAHH2_HUMAN	Adenosylhomocysteinase 2 (AdoHcyase 2) (EC 3.3.1.1) (DC-expressed AHCY-like	530 AHCYL1	12	12	6	21.7	58.951
Q96HN2	SAHH3_HUMAN	Adenosylhomocysteinase 3 (AdoHcyase 3) (EC 3.3.1.1) (IP(3)Rs binding protein re	611 AHCYL2	7	1	1	12.6	66.72
Q9Y512	SAM50_HUMAN	Sorting and assembly machinery component 50 homolog (Transformation-related g	469 SAMM50	6	6	6	11.7	51.976
Q9Y3Z3	SAMH1_HUMAN	Deoxynucleoside triphosphate triphosphohydrolase SAMHD1 (dNTPase) (EC 3.1.5	626 SAMHD1	23	23	23	45.4	72.2
P02743	SAMP_HUMAN	Serum amyloid P-component (SAP) (9.5S alpha-1-glycoprotein) [Cleaved into: Ser	223 APCS	7	7	7	28.3	25.387
P07602	SAP_HUMAN	Prosaposin (Proactivator polypeptide) [Cleaved into: Saposin-A (Protein A); Saposi	524 PSAP	12	12	12	18.9	58.112
O00422	SAP18_HUMAN	Histone deacetylase complex subunit SAP18 (18 kDa Sin3-associated polypeptide)	153 SAP18	3	3	3	17.6	17.561
P17900	SAP3_HUMAN	Ganglioside GM2 activator (Cerebroside sulfate activator protein) (GM2-AP) (Sphin	193 GM2A	5	5	5	27.5	20.838
Q9NR31	SAR1A_HUMAN	GTP-binding protein SAR1a (COPII-associated small GTPase)	198 SAR1A	5	5	5	23.7	22.367
Q6SZW1	SARM1_HUMAN	Sterile alpha and TIR motif-containing protein 1 (Sterile alpha and Armadillo repeat	724 SARM1	3	3	3	5.7	79.387
P82979	SARNP_HUMAN	SAP domain-containing ribonucleoprotein (Cytokine-induced protein of 29 kDa) (Nu	210 SARNP	4	4	4	20	23.671
Q15020	SART3_HUMAN	Squamous cell carcinoma antigen recognized by T-cells 3 (SART-3) (Tat-interactin	963 SART3	10	10	10	11.3	109.93
O94885	SASH1_HUMAN	SAM and SH3 domain-containing protein 1 (Proline-glutamate repeat-containing pr	1247 SASH1	2	2	2	2.6	136.65
P43007	SATT_HUMAN	Neutral amino acid transporter A (Alanine/serine/cysteine/threonine transporter 1) (	532 SLC1A4	2	2	2	3.9	55.722

Q9Y3A5	SBDS_HUMAN	Ribosome maturation protein SBDS (Shwachman-Bodian-Diamond syndrome prote	250 SBDS	12	12	12	44.8	28.763
Q13228	SBP1_HUMAN	Selenium-binding protein 1 (56 kDa selenium-binding protein) (SBP56) (SP56)	472 SELENBP1	22	22	22	60.6	52.39
Q6UWP8	SBSN_HUMAN	Suprabasin	590 SBSN	1	1	1	9.2	60.54
Q8IVN8	SBSPON_HUMAN	Somatomedin-B and thrombospondin type-1 domain-containing protein (RPE-spon	264 SBSPON	5	5	5	32.2	29.61
P67812	SC11A_HUMAN	Signal peptidase complex catalytic subunit SEC11A (EC 3.4.21.89) (Endopeptidase	179 SEC11A	5	5	5	24	20.625
O15027	SC16A_HUMAN	Protein transport protein Sec16A (SEC16 homolog A)	2179 SEC16A	1	1	1	1	233.51
O75396	SC22B_HUMAN	Vesicle-trafficking protein SEC22b (ER-Golgi SNARE of 24 kDa) (ERS-24) (ERS24	215 SEC22B	8	8	8	39.1	24.593
Q15436	SC23A_HUMAN	Protein transport protein Sec23A (SEC23-related protein A)	765 SEC23A	9	9	9	15.6	86.16
O95487	SC24B_HUMAN	Protein transport protein Sec24B (SEC24-related protein B)	1268 SEC24B	2	2	2	2	137.42
P53992	SC24C_HUMAN	Protein transport protein Sec24C (SEC24-related protein C)	1094 SEC24C	6	6	6	6.4	118.32
O94855	SC24D_HUMAN	Protein transport protein Sec24D (SEC24-related protein D)	1032 SEC24D	4	4	4	3.3	113.01
O94979	SC31A_HUMAN	Protein transport protein Sec31A (ABP125) (ABP130) (SEC31-like protein 1) (SEC;	1220 SEC31A	15	15	15	12.4	133.01
P60468	SC61B_HUMAN	Protein transport protein Sec61 subunit beta	96 SEC61B	3	3	3	29.2	9.9743
O15126	SCAM1_HUMAN	Secretory carrier-associated membrane protein 1 (Secretory carrier membrane prot	338 SCAMP1	2	2	2	11.5	37.92
O15127	SCAM2_HUMAN	Secretory carrier-associated membrane protein 2 (Secretory carrier membrane prot	329 SCAMP2	3	3	3	12.2	36.648
O14828	SCAM3_HUMAN	Secretory carrier-associated membrane protein 3 (Secretory carrier membrane prot	347 SCAMP3	1	1	1	4.6	38.287
Q6ZMJ2	SCAR5_HUMAN	Scavenger receptor class A member 5 (Scavenger receptor hlg)	495 SCARA5	2	2	2	4.6	53.994
Q8WVM8	SCFD1_HUMAN	Sec1 family domain-containing protein 1 (SLY1 homolog) (Sly1p) (Syntaxin-binding	642 SCFD1	7	7	7	13.4	72.379
Q8WU76	SCFD2_HUMAN	Sec1 family domain-containing protein 2 (Syntaxin-binding protein 1-like 1)	684 SCFD2	2	2	2	4.5	75.126
Q6NUK1	SCMC1_HUMAN	Calcium-binding mitochondrial carrier protein ScaMC-1 (Mitochondrial ATP-Mg/Pi c	477 SLC25A24	11	11	11	21.8	53.354
O75880	SCO1_HUMAN	Protein SCO1 homolog, mitochondrial	301 SCO1	1	1	1	5.3	33.814
O43819	SCO2_HUMAN	Protein SCO2 homolog, mitochondrial	266 SCO2	1	1	1	3.8	29.81
P55809	SCOT1_HUMAN	Succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial (EC 2.8.3.5) (3-	520 OXCT1	11	11	11	25.6	56.157
Q8NBX0	SCPDL_HUMAN	Saccharopine dehydrogenase-like oxidoreductase (EC 1.-.-.-)	429 SCCPDH	4	4	4	11.9	47.151
Q14108	SCRB2_HUMAN	Lysosome membrane protein 2 (85 kDa lysosomal membrane sialoglycoprotein) (L	478 SCARB2	5	5	5	11.7	54.29
Q14160	SCRIB_HUMAN	Protein scribble homolog (Scribble) (hScrib) (Protein LAP4)	1630 SCRIB	5	5	5	4.8	174.88
Q12765	SCRN1_HUMAN	Secernin-1	414 SCRN1	12	12	12	31.4	46.382
Q96FV2	SCRN2_HUMAN	Secernin-2	425 SCRN2	5	5	5	17.9	46.596
Q96KG9	SCYL1_HUMAN	N-terminal kinase-like protein (Coated vesicle-associated kinase of 90 kDa) (SCY1-	808 SCYL1	2	2	2	3.1	89.63
P34741	SDC2_HUMAN	Syndecan-2 (SYND2) (Fibroglycan) (Heparan sulfate proteoglycan core protein) (H	201 SDC2	1	1	1	7.5	22.16
P31431	SDC4_HUMAN	Syndecan-4 (SYND4) (Amphiglycan) (Ryudocan core protein)	198 SDC4	1	1	1	5.1	21.641
P48061	SDF1_HUMAN	Stromal cell-derived factor 1 (SDF-1) (hSDF-1) (C-X-C motif chemokine 12) (Intercr	93 CXCL12	3	3	3	24.7	10.666
Q99470	SDF2_HUMAN	Stromal cell-derived factor 2 (SDF-2)	211 SDF2	2	2	2	6.6	23.026
P31040	SDHA_HUMAN	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial (EC 1.3.	664 SDHA	20	20	20	42.2	72.691
P21912	SDHB_HUMAN	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial (EC 1.3.5.	280 SDHB	12	12	12	44.3	31.629
O95810	SDPR_HUMAN	Serum deprivation-response protein (Cavin-2) (PS-p68) (Phosphatidylserine-bindin	425 SDPR	19	19	18	49.4	47.173
Q9H7L9	SDS3_HUMAN	Sin3 histone deacetylase corepressor complex component SDS3 (45 kDa Sin3-ass	328 SUDS3	1	1	1	4.6	38.136
Q9UBV2	SE1L1_HUMAN	Protein sel-1 homolog 1 (Suppressor of lin-12-like protein 1) (Sel-1L)	794 SEL1L	2	2	2	2.3	88.754
P55735	SEC13_HUMAN	Protein SEC13 homolog (SEC13-like protein 1) (SEC13-related protein)	322 SEC13	7	7	7	28.3	35.54
Q99442	SEC62_HUMAN	Translocation protein SEC62 (Translocation protein 1) (TP-1) (hTP-1)	399 SEC62	1	1	1	2.3	45.861
Q9UGP8	SEC63_HUMAN	Translocation protein SEC63 homolog	760 SEC63	3	3	3	4.7	87.996
Q96EE3	SEH1_HUMAN	Nucleoporin SEH1 (Nup107-160 subcomplex subunit SEH1) (SEC13-like protein)	360 SEH1L	2	2	2	6.7	39.648
P57772	SELB_HUMAN	Selenocysteine-specific elongation factor (Elongation factor sec) (Eukaryotic elong	596 EEFSEC	3	3	3	5.5	65.304
Q8WVWX9	SELM_HUMAN	Selenoprotein M (SelM)	145 SELM	3	3	3	24.1	16.231
Q9BVL4	SELO_HUMAN	Selenoprotein O (SelO)	669 SELO	1	1	1	4	73.488
Q9P0V9	SEP10_HUMAN	Septin-10	454 SEPT10	4	3	3	11.7	52.592
Q9NVA2	SEP11_HUMAN	Septin-11	429 SEPT11	13	13	7	34.5	49.398
O60613	SEP15_HUMAN	15 kDa selenoprotein	162 SEPT15	2	2	2	17.9	17.79
P49908	SEPP1_HUMAN	Selenoprotein P (SeP)	381 SEPP1	1	1	1	1.8	43.173
Q15019	SEPT2_HUMAN	Septin-2 (Neural precursor cell expressed developmentally down-regulated protein	361 SEPT2	15	15	15	54.3	41.487
O43236	SEPT4_HUMAN	Septin-4 (Apoptosis-related protein in the TGF-beta signaling pathway) (ARTS) (Br	478 SEPT4	4	3	3	7.3	55.098
Q99719	SEPT5_HUMAN	Septin-5 (Cell division control-related protein 1) (CDCrel-1) (Peanut-like protein 1)	369 SEPT5	3	3	3	10.3	42.777

Q14141	SEPT6_HUMAN	Septin-6	434	SEPT6	8	3	3	21.7	49.716
Q16181	SEPT7_HUMAN	Septin-7 (CDC10 protein homolog)	437	SEPT7	19	19	18	41.9	50.679
Q92599	SEPT8_HUMAN	Septin-8	483	SEPT8	9	7	7	19.5	55.756
Q9UHD8	SEPT9_HUMAN	Septin-9 (MLL septin-like fusion protein MSF-A) (MLL septin-like fusion protein) (O	586	SEPT9	21	21	21	40.3	65.401
O43175	SERA_HUMAN	D-3-phosphoglycerate dehydrogenase (3-PGDH) (EC 1.1.1.95)	533	PHGDH	13	13	13	31.3	56.65
Q9Y617	SERC_HUMAN	Phosphoserine aminotransferase (EC 2.6.1.52) (Phosphohydroxythreonine aminotr	370	PSAT1	3	3	3	8.9	40.422
P50454	SERPH_HUMAN	Serpin H1 (47 kDa heat shock protein) (Arsenic-transactivated protein 3) (AsTP3) (I	418	SERPINH1	13	13	13	31.3	46.44
Q86VW0	SESD1_HUMAN	SEC14 domain and spectrin repeat-containing protein 1 (Huntingtin-interacting prot	696	SESTD1	1	1	1	1.3	79.347
Q01105	SET_HUMAN	Protein SET (HLA-DR-associated protein II) (Inhibitor of granzyme A-activated DN	290	SET	5	5	5	20.7	33.488
Q8WTS6	SETD7_HUMAN	Histone-lysine N-methyltransferase SETD7 (EC 2.1.1.43) (Histone H3-K4 methyltra	366	SETD7	4	4	4	14.5	40.72
Q53H47	SETMR_HUMAN	Histone-lysine N-methyltransferase SETMAR (SET domain and mariner transposas	684	SETMAR	1	1	1	1.5	78.033
Q15637	SF01_HUMAN	Splicing factor 1 (Mammalian branch point-binding protein) (BBP) (mBBP) (Transcr	639	SF1	3	3	3	5.5	68.329
Q15459	SF3A1_HUMAN	Splicing factor 3A subunit 1 (SF3a120) (Spliceosome-associated protein 114) (SAP	793	SF3A1	8	8	8	10.6	88.885
Q15428	SF3A2_HUMAN	Splicing factor 3A subunit 2 (SF3a66) (Spliceosome-associated protein 62) (SAP 6;	464	SF3A2	1	1	1	3	49.255
Q12874	SF3A3_HUMAN	Splicing factor 3A subunit 3 (SF3a60) (Spliceosome-associated protein 61) (SAP 6;	501	SF3A3	6	6	6	12.8	58.848
O75533	SF3B1_HUMAN	Splicing factor 3B subunit 1 (Pre-mRNA-splicing factor SF3b 155 kDa subunit) (SF3	1304	SF3B1	13	13	13	12.5	145.83
Q13435	SF3B2_HUMAN	Splicing factor 3B subunit 2 (Pre-mRNA-splicing factor SF3b 145 kDa subunit) (SF3	895	SF3B2	15	15	15	17.1	100.23
Q15393	SF3B3_HUMAN	Splicing factor 3B subunit 3 (Pre-mRNA-splicing factor SF3b 130 kDa subunit) (SF3	1217	SF3B3	9	9	9	9.2	135.58
Q15427	SF3B4_HUMAN	Splicing factor 3B subunit 4 (Pre-mRNA-splicing factor SF3b 49 kDa subunit) (SF3b	424	SF3B4	1	1	1	3.3	44.385
Q9BWJ5	SF3B5_HUMAN	Splicing factor 3B subunit 5 (SF3b5) (Pre-mRNA-splicing factor SF3b 10 kDa subur	86	SF3B5	1	1	1	12.8	10.135
P23246	SFPQ_HUMAN	Splicing factor, proline- and glutamine-rich (100 kDa DNA-pairing protein) (hPOMP	707	SFPQ	13	13	13	20.9	76.149
Q8N474	SFRP1_HUMAN	Secreted frizzled-related protein 1 (FRP-1) (sFRP-1) (Secreted apoptosis-related p	314	SFRP1	3	3	3	15	35.385
Q9H9B4	SFXN1_HUMAN	Sideroflexin-1 (Tricarboxylate carrier protein) (TCC)	322	SFXN1	6	6	6	22.4	35.619
Q9BWM7	SFXN3_HUMAN	Sideroflexin-3	321	SFXN3	8	8	8	30.8	35.503
Q6P4A7	SFXN4_HUMAN	Sideroflexin-4 (Breast cancer resistance marker 1)	337	SFXN4	1	1	1	3.6	37.998
Q92629	SGCD_HUMAN	Delta-sarcoglycan (Delta-SG) (35 kDa dystrophin-associated glycoprotein) (35DAG	289	SGCD	2	2	2	7.3	32.071
O43556	SGCE_HUMAN	Epsilon-sarcoglycan (Epsilon-SG)	437	SGCE	2	2	2	6.6	49.85
Q99720	SGMR1_HUMAN	Sigma non-opioid intracellular receptor 1 (Aging-associated gene 8 protein) (SR317	223	SIGMAR1	3	3	3	14.8	25.127
O95470	SGPL1_HUMAN	Sphingosine-1-phosphate lyase 1 (S1PL) (SP-lyase 1) (hSPL) (EC 4.1.2.27)	568	SGPL1	1	1	1	2.6	63.523
Q9Y2Z0	SGT1_HUMAN	Protein SGT1 homolog (Protein 40-6-3) (Sgt1) (Suppressor of G2 allele of SKP1 hc	365	SUGT1	10	10	10	29.3	41.024
O43765	SGTA_HUMAN	Small glutamine-rich tetratricopeptide repeat-containing protein alpha (Alpha-SGT)	313	SGTA	2	2	2	8.3	34.063
Q9NRF2	SH2B1_HUMAN	SH2B adapter protein 1 (Pro-rich, PH and SH2 domain-containing signaling mediat	756	SH2B1	1	1	1	2	79.366
Q5HYK7	SH319_HUMAN	SH3 domain-containing protein 19 (ADAM-binding protein Eve-1) (EEN-binding pro	790	SH3D19	4	4	4	6.8	86.524
Q99961	SH3G1_HUMAN	Endophilin-A2 (EEN fusion partner of MLL) (Endophilin-2) (Extra eleven-nineteen le	368	SH3GL1	10	10	10	28.8	41.489
Q96B97	SH3K1_HUMAN	SH3 domain-containing kinase-binding protein 1 (CD2-binding protein 3) (CD2BP3)	665	SH3KBP1	8	8	8	14	73.125
O75368	SH3L1_HUMAN	SH3 domain-binding glutamic acid-rich-like protein	114	SH3BGRL	8	8	8	63.2	12.774
Q9UJC5	SH3L2_HUMAN	SH3 domain-binding glutamic acid-rich-like protein 2 (Fovea-associated SH3 doma	107	SH3BGRL2	1	1	1	11.2	12.326
Q9H299	SH3L3_HUMAN	SH3 domain-binding glutamic acid-rich-like protein 3 (SH3 domain-binding protein 1	93	SH3BGRL3	2	2	2	24.7	10.438
Q9Y371	SHLB1_HUMAN	Endophilin-B1 (Bax-interacting factor 1) (Bif-1) (SH3 domain-containing GRB2-like	365	SH3GLB1	7	7	7	18.9	40.796
Q9NR46	SHLB2_HUMAN	Endophilin-B2 (SH3 domain-containing GRB2-like protein B2)	395	SH3GLB2	6	6	6	13.7	43.973
A0MZ66	SHOT1_HUMAN	Shootin-1 (Shootin1)	631	SHTN1	1	1	1	2.1	71.639
Q9UJH6	SHPK_HUMAN	Sedoheptulokinase (SHK) (EC 2.7.1.14) (Carbohydrate kinase-like protein)	478	SHPK	1	1	1	3.6	51.49
P78324	SHP51_HUMAN	Tyrosine-protein phosphatase non-receptor type substrate 1 (SHP substrate 1) (SH	504	SIRPA	5	5	5	10.5	54.966
Q9NR45	SIAS_HUMAN	Sialic acid synthase (N-acetylneuraminase) (EC 2.5.1.56) (N-acetylneuram	359	NANS	7	7	7	25.1	40.307
Q96ST3	SIN3A_HUMAN	Paired amphipathic helix protein Sin3a (Histone deacetylase complex subunit Sin3a	1273	SIN3A	2	2	2	1.4	145.17
Q9NTG7	SIR3_HUMAN	NAD-dependent protein deacetylase sirtuin-3, mitochondrial (hSIRT3) (EC 3.5.1.-) (	399	SIRT3	1	1	1	2.8	43.573
Q9NXA8	SIR5_HUMAN	NAD-dependent protein deacetylase sirtuin-5, mitochondrial (EC 3.5.1.-) (Regulatory	310	SIRT5	4	4	4	15.2	33.881
P42285	SK2L2_HUMAN	Superkiller viralicidic activity 2-like 2 (EC 3.6.4.13) (ATP-dependent RNA helicase [	1042	SKIV2L2	7	7	7	7.2	117.8
Q15477	SKIV2_HUMAN	Helicase SKI2W (Ski2) (EC 3.6.4.-) (Helicase-like protein) (HLP)	1246	SKIV2L	4	4	4	3.9	137.75
P63208	SKP1_HUMAN	S-phase kinase-associated protein 1 (Cyclin-A/CDK2-associated protein p19) (p19/	163	SKP1	7	7	7	33.1	18.658
Q5T5P2	SKT_HUMAN	Sickle tail protein homolog	1943	KIAA1217	3	3	3	1.4	214.11
Q8IVB4	SL9A9_HUMAN	Sodium/hydrogen exchanger 9 (Na(+)/H(+) exchanger 9) (NHE-9) (Solute carrier fa	645	SLC9A9	1	1	1	1.7	72.564

Q08AF3	SLFN5_HUMAN	Schlafen family member 5	891	SLFN5	2	1	1	3.1	101.05
Q9GZT3	SLIRP_HUMAN	SRA stem-loop-interacting RNA-binding protein, mitochondrial	109	SLIRP	4	4	4	44	12.349
O75094	SLIT3_HUMAN	Slit homolog 3 protein (Slit-3) (Multiple epidermal growth factor-like domains protein)	1523	SLIT3	5	5	5	4.3	167.71
Q9H2G2	SLK_HUMAN	STE20-like serine/threonine-protein kinase (STE20-like kinase) (hSLK) (EC 2.7.11.	1235	SLK	15	15	13	14	142.69
Q14BN4	SLMAP_HUMAN	Sarcolemmal membrane-associated protein (Sarcolemmal-associated protein)	828	SLMAP	22	22	22	23.8	95.197
Q7Z7L1	SLN11_HUMAN	Schlafen family member 11	901	SLFN11	3	3	2	3.2	102.83
P03973	SLPI_HUMAN	Antileukoproteinase (ALP) (BLPI) (HUSI-1) (Mucus proteinase inhibitor) (MPI) (Prot	132	SLPI	3	3	3	15.2	14.326
Q13485	SMAD4_HUMAN	Mothers against decapentaplegic homolog 4 (MAD homolog 4) (Mothers against Df	552	SMAD4	4	4	4	6.7	60.438
Q99717	SMAD5_HUMAN	Mothers against decapentaplegic homolog 5 (MAD homolog 5) (Mothers against Df	465	SMAD5	1	1	1	2.4	52.258
O00193	SMAP_HUMAN	Small acidic protein	183	SMAP	4	4	4	17.5	20.332
Q14683	SMC1A_HUMAN	Structural maintenance of chromosomes protein 1A (SMC protein 1A) (SMC-1- α	1233	SMC1A	18	18	18	15.9	143.23
Q9UQE7	SMC3_HUMAN	Structural maintenance of chromosomes protein 3 (SMC protein 3) (SMC-3) (Baser	1217	SMC3	28	28	28	25.2	141.54
P51531	SMCA2_HUMAN	Probable global transcription activator SNF2L2 (EC 3.6.4.-) (ATP-dependent helica	1590	SMARCA2	5	5	3	4	181.28
O60264	SMCA5_HUMAN	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfam	1052	SMARCA5	3	3	3	3.5	121.9
Q969G3	SMCE1_HUMAN	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfam	411	SMARCE1	4	4	4	12.9	46.649
P62314	SMD1_HUMAN	Small nuclear ribonucleoprotein Sm D1 (Sm-D1) (Sm-D autoantigen) (snRNP core	119	SNRPD1	4	4	4	37	13.281
P62316	SMD2_HUMAN	Small nuclear ribonucleoprotein Sm D2 (Sm-D2) (snRNP core protein D2)	118	SNRPD2	7	7	7	55.9	13.527
P62318	SMD3_HUMAN	Small nuclear ribonucleoprotein Sm D3 (Sm-D3) (snRNP core protein D3)	126	SNRPD3	4	4	4	37.3	13.916
Q8N5G0	SMI20_HUMAN	Small integral membrane protein 20 (Mitochondrial translation regulation assembly	67	SMIM20	1	1	1	20.9	7.7019
Q8TAQ2	SMRC2_HUMAN	SWI/SNF complex subunit SMARCC2 (BRG1-associated factor 170) (BAF170) (SV	1214	SMARCC2	14	14	14	11.7	132.88
Q92925	SMRD2_HUMAN	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfam	531	SMARCD2	2	2	2	4.7	58.92
P53814	SMTN_HUMAN	Smoothelin	917	SMTN	28	28	28	31.3	99.058
Q2TAY7	SMU1_HUMAN	WD40 repeat-containing protein SMU1 (Smu-1 suppressor of mec-8 and unc-52 pr	513	SMU1	4	4	4	9	57.543
Q9BZZ2	SN_HUMAN	Sialoadhesin (Sialic acid-binding Ig-like lectin 1) (Siglec-1) (CD antigen CD169)	1709	SIGLEC1	3	3	3	2.9	182.62
P54920	SNAA_HUMAN	Alpha-soluble NSF attachment protein (SNAP-alpha) (N-ethylmaleimide-sensitive f	295	NAPA	10	10	10	41	33.232
Q99747	SNAG_HUMAN	Gamma-soluble NSF attachment protein (SNAP-gamma) (N-ethylmaleimide-sensiti	312	NAPG	7	7	7	28.8	34.746
Q7KZF4	SND1_HUMAN	Staphylococcal nuclease domain-containing protein 1 (100 kDa coactivator) (EBNA	910	SND1	29	29	29	37.7	102
O43760	SNG2_HUMAN	Synaptogyrin-2 (Cellugyrin)	224	SYNGR2	1	1	1	4.5	24.81
O00161	SNP23_HUMAN	Synaptosomal-associated protein 23 (SNAP-23) (Vesicle-membrane fusion protein	211	SNAP23	3	3	3	14.2	23.354
O95721	SNP29_HUMAN	Synaptosomal-associated protein 29 (SNAP-29) (Soluble 29 kDa NSF attachment p	258	SNAP29	2	2	2	13.2	28.97
Q96D17	SNR40_HUMAN	U5 small nuclear ribonucleoprotein 40 kDa protein (U5 snRNP 40 kDa protein) (U5-	357	SNRNP40	5	5	5	20.7	39.31
P09012	SNRPA_HUMAN	U1 small nuclear ribonucleoprotein A (U1 snRNP A) (U1-A) (U1A)	282	SNRPA	4	3	3	15.2	31.279
Q13424	SNTA1_HUMAN	Alpha-1-syntrophin (59 kDa dystrophin-associated protein A1 acidic component 1) (	505	SNTA1	5	5	5	11.9	53.895
Q13884	SNTB1_HUMAN	Beta-1-syntrophin (59 kDa dystrophin-associated protein A1 basic component 1) (C	538	SNTB1	10	10	10	26.8	58.06
Q13425	SNTB2_HUMAN	Beta-2-syntrophin (59 kDa dystrophin-associated protein A1 basic component 2) (S	540	SNTB2	13	13	13	28	57.949
O43290	SNUT1_HUMAN	U4/U6.U5 tri-snRNP-associated protein 1 (SNU66 homolog) (hSnu66) (Squamous	800	SART1	8	8	8	11.9	90.254
Q53GS9	SNUT2_HUMAN	U4/U6.U5 tri-snRNP-associated protein 2 (Inactive ubiquitin-specific peptidase 39)	565	USP39	2	2	2	4.4	65.38
Q13573	SNW1_HUMAN	SNW domain-containing protein 1 (Nuclear protein SkiP) (Nuclear receptor coactiv	536	SNW1	1	1	1	2.4	61.494
Q13596	SNX1_HUMAN	Sorting nexin-1	522	SNX1	10	8	8	18.8	59.069
Q9UMY4	SNX12_HUMAN	Sorting nexin-12	172	SNX12	5	4	4	31.4	19.73
Q9NRS6	SNX15_HUMAN	Sorting nexin-15	342	SNX15	1	1	1	5.3	38.291
Q15036	SNX17_HUMAN	Sorting nexin-17	470	SNX17	3	3	3	10.2	52.901
Q96RF0	SNX18_HUMAN	Sorting nexin-18 (SH3 and PX domain-containing protein 3B) (Sorting nexin-associ	628	SNX18	3	3	3	4.9	68.894
O60749	SNX2_HUMAN	Sorting nexin-2 (Transformation-related gene 9 protein) (TRG-9)	519	SNX2	12	12	10	23.1	58.47
Q96L92	SNX27_HUMAN	Sorting nexin-27	541	SNX27	2	2	2	3.9	61.264
O60493	SNX3_HUMAN	Sorting nexin-3 (Protein SDP3)	162	SNX3	6	6	5	36.4	18.762
Q8WV41	SNX33_HUMAN	Sorting nexin-33 (SH3 and PX domain-containing protein 3)	574	SNX33	2	2	2	4	65.264
O95219	SNX4_HUMAN	Sorting nexin-4	450	SNX4	1	1	1	3.1	51.908
Q9Y5X3	SNX5_HUMAN	Sorting nexin-5	404	SNX5	15	15	15	38.6	46.816
Q9UNH7	SNX6_HUMAN	Sorting nexin-6 (TRAF4-associated factor 2) [Cleaved into: Sorting nexin-6, N-term	406	SNX6	16	16	16	36.9	46.648
Q9Y5X2	SNX8_HUMAN	Sorting nexin-8	465	SNX8	1	1	1	2.8	52.569
Q9Y5X1	SNX9_HUMAN	Sorting nexin-9 (SH3 and PX domain-containing protein 1) (Protein SDP1) (SH3 an	595	SNX9	7	7	7	18	66.591

Q92959	SO2A1_HUMAN	Solute carrier organic anion transporter family member 2A1 (Prostaglandin transp	643	SLCO2A1	4	4	4	4.7	70.043
P35610	SOAT1_HUMAN	Sterol O-acyltransferase 1 (EC 2.3.1.26) (Acyl-coenzyme A:cholesterol acyltransfer	550	SOAT1	1	1	1	2.9	64.734
P00441	SODC_HUMAN	Superoxide dismutase [Cu-Zn] (EC 1.15.1.1) (Superoxide dismutase 1) (hSod1)	154	SOD1	9	9	9	67.5	15.936
P08294	SODE_HUMAN	Extracellular superoxide dismutase [Cu-Zn] (EC-SOD) (EC 1.15.1.1)	240	SOD3	8	8	8	42.9	25.851
P04179	SODM_HUMAN	Superoxide dismutase [Mn], mitochondrial (EC 1.15.1.1)	222	SOD2	9	9	9	33.3	24.722
P18583	SON_HUMAN	Protein SON (Bax antagonist selected in saccharomyces 1) (BASS1) (Negative reg	2426	SON	5	5	5	2.1	263.83
P30626	SORCN_HUMAN	Sorcin (22 kDa protein) (CP-22) (CP22) (V19)	198	SRI	6	6	6	39.4	21.676
Q99523	SORT_HUMAN	Sortilin (100 kDa NT receptor) (Glycoprotein 95) (Gp95) (Neurotensin receptor 3) (N	831	SORT1	6	6	6	8.5	92.067
P23497	SP100_HUMAN	Nuclear autoantigen Sp-100 (Nuclear dot-associated Sp100 protein) (Speckled 100	879	SP100	3	1	1	3.1	100.42
Q9Y5B9	SP16H_HUMAN	FACT complex subunit SPT16 (Chromatin-specific transcription elongation factor 1	1047	SUPT16H	6	6	6	5.6	119.91
P35237	SPB6_HUMAN	Serpin B6 (Cytoplasmic antiproteinase) (CAP) (Peptidase inhibitor 6) (PI-6) (Placen	376	SERPINB6	13	13	13	46.3	42.621
P50453	SPB9_HUMAN	Serpin B9 (Cytoplasmic antiproteinase 3) (CAP-3) (CAP3) (Peptidase inhibitor 9) (F	376	SERPINB9	6	6	6	15.7	42.403
Q15005	SPCS2_HUMAN	Signal peptidase complex subunit 2 (EC 3.4.-.-) (Microsomal signal peptidase 25 kI	226	SPCS2	8	8	8	45.1	25.003
P61009	SPCS3_HUMAN	Signal peptidase complex subunit 3 (EC 3.4.-.-) (Microsomal signal peptidase 22/2	180	SPCS3	1	1	1	5	20.313
A1X283	SPD2B_HUMAN	SH3 and PX domain-containing protein 2B (Adapter protein HOF1) (Factor for adipc	911	SH3PXD2B	6	6	6	5.8	101.58
Q9H9C1	SPE39_HUMAN	Spermatogenesis-defective protein 39 homolog (hSPE-39) (VPS33B-interacting pr	493	VIPAS39	2	2	2	3.4	57.005
O75934	SPF27_HUMAN	Pre-mRNA-splicing factor SPF27 (Breast carcinoma-amplified sequence 2) (DNA a	225	BCAS2	1	1	1	5.8	26.131
Q96125	SPF45_HUMAN	Splicing factor 45 (45 kDa-splicing factor) (RNA-binding motif protein 17)	401	RBM17	1	1	1	4	44.961
Q8N0X7	SPG20_HUMAN	Spartin (Spastic paraplegia 20 protein) (Trans-activated by hepatitis C virus core pr	666	SPG20	2	2	2	3	72.832
Q9NZQ3	SPN90_HUMAN	NCK-interacting protein with SH3 domain (54 kDa VacA-interacting protein) (54 kD:	722	NCKIPSD	1	1	1	1.5	78.959
Q9H2V7	SPNS1_HUMAN	Protein spinster homolog 1 (HSpin1) (Spinster-like protein 1)	528	SPNS1	1	1	1	3.4	56.629
Q9HCB6	SPON1_HUMAN	Spondin-1 (F-spondin) (Vascular smooth muscle cell growth-promoting factor)	807	SPON1	10	10	10	18.8	90.973
Q13103	SPP24_HUMAN	Secreted phosphoprotein 24 (Spp-24) (Secreted phosphoprotein 2)	211	SPP2	2	2	2	10.4	24.337
P09486	SPRC_HUMAN	SPARC (Basement-membrane protein 40) (BM-40) (Osteonectin) (ON) (Secreted p	303	SPARC	3	3	3	12.9	34.632
P35270	SPRE_HUMAN	Sepiapterin reductase (SPR) (EC 1.1.1.153)	261	SPR	4	4	4	16.9	28.048
Q14515	SPRL1_HUMAN	SPARC-like protein 1 (High endothelial venule protein) (Hevin) (MAST 9)	664	SPARCL1	6	6	6	12.7	75.207
Q8VWV59	SPRY4_HUMAN	SPRY domain-containing protein 4	207	SPRYD4	2	2	2	10.6	23.128
P49903	SPS1_HUMAN	Selenide, water dikinase 1 (EC 2.7.9.3) (Selenium donor protein 1) (Selenophosph	392	SEPHS1	3	3	3	13.8	42.91
Q9NUQ6	SPS2L_HUMAN	SPATS2-like protein (DNA polymerase-transactivated protein 6) (Stress granule an	558	SPATS2L	3	3	3	7.5	61.728
P52788	SPSY_HUMAN	Spermine synthase (SPMSY) (EC 2.5.1.22) (Spermidine aminopropyltransferase)	366	SMS	4	4	4	15.8	41.268
P02549	SPTA1_HUMAN	Spectrin alpha chain, erythrocytic 1 (Erythroid alpha-spectrin)	2419	SPTA1	78	78	78	38.6	280.01
P11277	SPTB1_HUMAN	Spectrin beta chain, erythrocytic (Beta-I spectrin)	2137	SPTB	80	74	74	45	246.47
Q01082	SPTB2_HUMAN	Spectrin beta chain, non-erythrocytic 1 (Beta-II spectrin) (Fodrin beta chain) (Spect	2364	SPTBN1	116	116	105	56.3	274.61
O15269	SPTC1_HUMAN	Serine palmitoyltransferase 1 (EC 2.3.1.50) (Long chain base biosynthesis protein	473	SPTLC1	4	4	4	8.9	52.743
Q13813	SPTN1_HUMAN	Spectrin alpha chain, non-erythrocytic 1 (Alpha-II spectrin) (Fodrin alpha chain) (Sp	2472	SPTAN1	143	143	143	61	284.54
Q9Y6N5	SQRD_HUMAN	Sulfide:quinone oxidoreductase, mitochondrial (SQOR) (EC 1.8.5.-)	450	SQRDL	17	17	17	41.6	49.96
Q13501	SQSTM_HUMAN	Sequestosome-1 (EBI3-associated protein of 60 kDa) (EBIAP) (p60) (Phosphotyros	440	SQSTM1	1	1	1	5.5	47.687
O15042	SR140_HUMAN	U2 snRNP-associated SURP motif-containing protein (140 kDa Ser/Arg-rich domain	1029	U2SURP	6	6	6	6.8	118.29
Q9HD15	SRA1_HUMAN	Steroid receptor RNA activator 1 (Steroid receptor RNA activator protein) (SRAP)	236	SRA1	1	1	1	4.2	25.673
Q96JX3	SRAC1_HUMAN	Protein SERAC1 (Serine active site-containing protein 1)	654	SERAC1	1	1	1	1.7	74.147
Q9BX66	SRBS1_HUMAN	Sorbin and SH3 domain-containing protein 1 (Ponsin) (SH3 domain protein 5) (SH3	1292	SORBS1	31	30	30	25.8	142.51
O94875	SRBS2_HUMAN	Sorbin and SH3 domain-containing protein 2 (Arg-binding protein 2) (ArgBP2) (Arg/	1100	SORBS2	31	31	30	28.2	124.11
P12931	SRC_HUMAN	Proto-oncogene tyrosine-protein kinase Src (EC 2.7.10.2) (Proto-oncogene c-Src) (	536	SRC	3	1	1	6.5	59.834
Q14247	SRC8_HUMAN	Src substrate cortactin (Amplaxin) (Oncogene EMS1)	550	CTTN	17	17	17	30.2	61.585
P23327	SRCH_HUMAN	Sarcoplasmic reticulum histidine-rich calcium-binding protein	699	HRC	3	3	3	6.3	80.243
A1L4H1	SRCL_HUMAN	Soluble scavenger receptor cysteine-rich domain-containing protein SSC5D (Solub	1573	SSC5D	2	2	2	2	165.74
Q96GP6	SREC2_HUMAN	Scavenger receptor class F member 2 (SRECRP-1) (Scavenger receptor expresse	870	SCARF2	1	1	1	1.4	92.478
P0DMP2	SRG2B_HUMAN	SLIT-ROBO Rho GTPase-activating protein 2B (SLIT-ROBO Rho GTPase activatir	458	SRGAP2B	1	1	1	2.8	53.405
P49458	SRP09_HUMAN	Signal recognition particle 9 kDa protein (SRP9)	86	SRP9	3	3	3	27.9	10.112
P37108	SRP14_HUMAN	Signal recognition particle 14 kDa protein (SRP14) (18 kDa Alu RNA-binding protei	136	SRP14	4	4	4	46.3	14.57
P09132	SRP19_HUMAN	Signal recognition particle 19 kDa protein (SRP19)	144	SRP19	1	1	1	10.4	16.156
P61011	SRP54_HUMAN	Signal recognition particle 54 kDa protein (SRP54)	504	SRP54	5	5	5	11.9	55.704

Q9UHB9	SRP68_HUMAN	Signal recognition particle subunit SRP68 (SRP68) (Signal recognition particle 68 k	627 SRP68	2	2	2	5.9	70.729
O76094	SRP72_HUMAN	Signal recognition particle subunit SRP72 (SRP72) (Signal recognition particle 72 k	671 SRP72	8	8	8	13.9	74.605
P08240	SRPRA_HUMAN	Signal recognition particle receptor subunit alpha (SR-alpha) (Docking protein alpha	638 SRPRA	4	4	4	8.6	69.81
Q9Y5M8	SRPRB_HUMAN	Signal recognition particle receptor subunit beta (SR-beta) (Protein APMCF1)	271 SRPRB	1	1	1	7	29.702
P78539	SRPX_HUMAN	Sushi repeat-containing protein SRPX	464 SRPX	2	2	2	4.7	51.571
Q8IYB3	SRRM1_HUMAN	Serine/arginine repetitive matrix protein 1 (SR-related nuclear matrix protein of 160	904 SRRM1	5	5	5	6.5	102.33
Q9UQ35	SRRM2_HUMAN	Serine/arginine repetitive matrix protein 2 (300 kDa nuclear matrix antigen) (Serine/	2752 SRRM2	6	6	6	2.7	299.61
Q9BXP5	SRRT_HUMAN	Serrate RNA effector molecule homolog (Arsenite-resistance protein 2)	876 SRRT	9	9	9	11.4	100.67
O75494	SRSF10_HUMAN	Serine/arginine-rich splicing factor 10 (40 kDa SR-repressor protein) (SRrp40) (FU	262 SRSF10	5	5	5	21.4	31.3
Q05519	SRSF11_HUMAN	Serine/arginine-rich splicing factor 11 (Arginine-rich 54 kDa nuclear protein) (p54) (	484 SRSF11	1	1	1	3.5	53.542
Q07955	SRSF1_HUMAN	Serine/arginine-rich splicing factor 1 (Alternative-splicing factor 1) (ASF-1) (Splici	248 SRSF1	9	9	9	37.1	27.744
Q01130	SRSF2_HUMAN	Serine/arginine-rich splicing factor 2 (Protein PR264) (Splicing component, 35 kDa)	221 SRSF2	4	4	4	21.7	25.476
P84103	SRSF3_HUMAN	Serine/arginine-rich splicing factor 3 (Pre-mRNA-splicing factor SRP20) (Splicing fa	164 SRSF3	6	5	5	32.9	19.329
Q08170	SRSF4_HUMAN	Serine/arginine-rich splicing factor 4 (Pre-mRNA-splicing factor SRP75) (SRP001LI	494 SRSF4	6	3	3	11.9	56.678
Q13243	SRSF5_HUMAN	Serine/arginine-rich splicing factor 5 (Delayed-early protein HRS) (Pre-mRNA-splici	272 SRSF5	5	4	4	18	31.263
Q13247	SRSF6_HUMAN	Serine/arginine-rich splicing factor 6 (Pre-mRNA-splicing factor SRP55) (Splicing fa	344 SRSF6	6	6	3	14.8	39.586
Q16629	SRSF7_HUMAN	Serine/arginine-rich splicing factor 7 (Splicing factor 9G8) (Splicing factor, arginine/	238 SRSF7	9	9	8	30.7	27.366
Q13242	SRSF9_HUMAN	Serine/arginine-rich splicing factor 9 (Pre-mRNA-splicing factor SRp30C) (Splicing f	221 SRSF9	3	3	3	14.5	25.542
Q04837	SSBP_HUMAN	Single-stranded DNA-binding protein, mitochondrial (Mt-SSB) (MtSSB) (PWP1-inte	148 SSBP1	5	5	5	39.2	17.259
P51649	SSDH_HUMAN	Succinate-semialdehyde dehydrogenase, mitochondrial (EC 1.2.1.24) (Aldehyde de	535 ALDH5A1	8	8	8	14.8	57.214
Q9NQ55	SSF1_HUMAN	Suppressor of SWI4 1 homolog (Ssf-1) (Brix domain-containing protein 3) (Peter P	473 PPAN	1	1	1	2.5	53.193
Q8TE77	SSH3_HUMAN	Protein phosphatase Slingshot homolog 3 (EC 3.1.3.16) (EC 3.1.3.48) (SSH-like pr	659 SSH3	4	4	4	7.7	72.995
P43307	SSRA_HUMAN	Translocon-associated protein subunit alpha (TRAP-alpha) (Signal sequence recep	286 SSR1	2	2	2	9.1	32.235
P51571	SSRD_HUMAN	Translocon-associated protein subunit delta (TRAP-delta) (Signal sequence recep	173 SSR4	3	3	3	19.7	18.998
Q9UNL2	SSRG_HUMAN	Translocon-associated protein subunit gamma (TRAP-gamma) (Signal sequence re	185 SSR3	2	2	2	11.4	21.08
Q08945	SSRP1_HUMAN	FACT complex subunit SSRP1 (Chromatin-specific transcription elongation factor 8	709 SSRP1	6	6	6	11.4	81.074
P0DMN0	ST1A4_HUMAN	Sulfotransferase 1A4 (ST1A4) (EC 2.8.2.1) (Aryl sulfotransferase 1A3/1A4) (Sulfotr	295 SULT1A4	4	4	4	17.3	34.196
Q9Y2H1	ST38L_HUMAN	Serine/threonine-protein kinase 38-like (EC 2.7.11.1) (NDR2 protein kinase) (Nucle	464 STK38L	6	6	6	14.2	54.002
P51692	STA5B_HUMAN	Signal transducer and activator of transcription 5B	787 STAT5B	10	10	10	13.5	89.865
Q9NY15	STAB1_HUMAN	Stabilin-1 (Fasciclin, EGF-like, laminin-type EGF-like and link domain-containing sc	2570 STAB1	19	19	19	10.2	275.48
Q8WVM7	STAG1_HUMAN	Cohesin subunit SA-1 (SCC3 homolog 1) (Stromal antigen 1)	1258 STAG1	2	1	1	1.7	144.43
Q8N3U4	STAG2_HUMAN	Cohesin subunit SA-2 (SCC3 homolog 2) (Stromal antigen 2)	1231 STAG2	2	2	1	2	141.32
Q92783	STAM1_HUMAN	Signal transducing adapter molecule 1 (STAM-1)	540 STAM	4	4	3	8	59.179
O75886	STAM2_HUMAN	Signal transducing adapter molecule 2 (STAM-2) (Hrs-binding protein)	525 STAM2	3	2	2	5.1	58.164
P42224	STAT1_HUMAN	Signal transducer and activator of transcription 1-alpha/beta (Transcription factor IS	750 STAT1	13	13	13	20.8	87.334
P52630	STAT2_HUMAN	Signal transducer and activator of transcription 2 (p113)	851 STAT2	5	5	5	8.8	97.915
P40763	STAT3_HUMAN	Signal transducer and activator of transcription 3 (Acute-phase response factor)	770 STAT3	11	11	11	21	88.067
P42226	STAT6_HUMAN	Signal transducer and activator of transcription 6 (IL-4 Stat)	847 STAT6	3	3	3	3.8	94.134
O95793	STAU1_HUMAN	Double-stranded RNA-binding protein Staufen homolog 1	577 STAU1	4	4	4	8.8	63.182
O95210	STBD1_HUMAN	Starch-binding domain-containing protein 1 (Genethonin-1) (Glycophagy cargo rece	358 STBD1	4	4	4	8.7	39.007
Q687X5	STEAP4_HUMAN	Metalloenductase STEAP4 (EC 1.16.1.-) (Six-transmembrane epithelial antigen of p	459 STEAP4	4	4	4	14.2	51.981
Q13586	STIM1_HUMAN	Stromal interaction molecule 1	685 STIM1	4	4	4	6.1	77.422
Q86WV6	STING_HUMAN	Stimulator of interferon genes protein (hSTING) (Endoplasmic reticulum interferon s	379 TMEM173	2	2	2	5.5	42.192
P31948	STIP1_HUMAN	Stress-induced-phosphoprotein 1 (STI1) (Hsc70/Hsp90-organizing protein) (Hop) (f	543 STIP1	24	24	24	39.2	62.639
O94804	STK10_HUMAN	Serine/threonine-protein kinase 10 (EC 2.7.11.1) (Lymphocyte-oriented kinase)	968 STK10	5	3	3	5.4	112.13
Q9Y6E0	STK24_HUMAN	Serine/threonine-protein kinase 24 (EC 2.7.11.1) (Mammalian STE20-like protein k	443 STK24	6	6	2	13.3	49.307
Q9P289	STK26_HUMAN	Serine/threonine-protein kinase 26 (EC 2.7.11.1) (MST3 and SOK1-related kinase)	416 STK26	5	1	1	11.5	46.528
Q13188	STK3_HUMAN	Serine/threonine-protein kinase 3 (EC 2.7.11.1) (Mammalian STE20-like protein kin	491 STK3	1	1	1	2.4	56.3
Q9UEW8	STK39_HUMAN	STE20/SPS1-related proline-alanine-rich protein kinase (Ste-20-related kinase) (EC	545 STK39	3	3	3	5	59.473
Q9UJZ1	STML2_HUMAN	Stomatin-like protein 2, mitochondrial (SLP-2) (EPB72-like protein 2) (Paraprotein t	356 STOML2	8	8	8	33.1	38.534
P16949	STMN1_HUMAN	Stathmin (Leukemia-associated phosphoprotein p18) (Metablastin) (Oncoprotein 1	149 STMN1	5	5	3	25.5	17.302
Q93045	STMN2_HUMAN	Stathmin-2 (Superior cervical ganglion-10 protein) (Protein SCG10)	179 STMN2	3	1	1	15.1	20.828

P27105	STOM_HUMAN	Erythrocyte band 7 integral membrane protein (Protein 7.2b) (Stomatin)	288	STOM	7	7	7	30.9	31.73
Q9Y6Q2	STON1_HUMAN	Stonin-1 (Stoned B-like factor)	735	STON1	2	2	2	3.1	83.14
Q9Y3F4	STRAP_HUMAN	Serine-threonine kinase receptor-associated protein (MAP activator with WD repea	350	STRAP	9	9	9	34.3	38.438
O43815	STRN_HUMAN	Striatin	780	STRN	5	5	5	7.3	86.131
Q13033	STRN3_HUMAN	Striatin-3 (Cell cycle autoantigen SG2NA) (S/G2 antigen)	797	STRN3	1	1	1	1.4	87.208
Q9NRL3	STRN4_HUMAN	Striatin-4 (Zinedin)	753	STRN4	1	1	1	2.3	80.595
Q5VSL9	STRP1_HUMAN	Striatin-interacting protein 1 (Protein FAM40A)	837	STRIP1	1	1	1	1.6	95.575
Q12768	STRUM_HUMAN	WASH complex subunit strumpellin (Strumpellin)	1159	KIAA0196	4	4	4	4.7	134.28
P08842	STS_HUMAN	Steryl-sulfatase (EC 3.1.6.2) (Arylsulfatase C) (ASC) (Steroid sulfatase) (Steryl-sulf	583	STS	1	1	1	1.7	65.492
P46977	STT3A_HUMAN	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A (Oli	705	STT3A	12	12	11	13.6	80.529
Q8TCJ2	STT3B_HUMAN	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B (Oli	826	STT3B	7	6	6	8.6	93.673
O75558	STX11_HUMAN	Syntaxin-11	287	STX11	2	2	2	7.7	33.195
Q86Y82	STX12_HUMAN	Syntaxin-12	276	STX12	3	3	3	14.1	31.642
Q9P2W9	STX18_HUMAN	Syntaxin-18 (Cell growth-inhibiting gene 9 protein)	335	STX18	1	1	1	2.4	38.673
P32856	STX2_HUMAN	Syntaxin-2 (Epimorphin)	288	STX2	1	1	1	3.5	33.341
Q12846	STX4_HUMAN	Syntaxin-4 (Renal carcinoma antigen NY-REN-31)	297	STX4	5	5	5	22.2	34.18
Q13190	STX5_HUMAN	Syntaxin-5	355	STX5	1	1	1	5.1	39.672
O15400	STX7_HUMAN	Syntaxin-7	261	STX7	5	5	5	24.1	29.815
P61764	STXB1_HUMAN	Syntaxin-binding protein 1 (MUNC18-1) (N-Sec1) (Protein unc-18 homolog 1) (Unc	594	STXBP1	11	11	11	18.9	67.568
Q15833	STXB2_HUMAN	Syntaxin-binding protein 2 (Protein unc-18 homolog 2) (Unc18-2) (Protein unc-18 h	593	STXBP2	2	2	2	2.9	66.452
O00186	STXB3_HUMAN	Syntaxin-binding protein 3 (Platelet Sec1 protein) (PSP) (Protein unc-18 homolog 3	592	STXBP3	8	8	8	14.5	67.764
P53597	SUCA_HUMAN	Succinate--CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial (EC 6.2.1.4	346	SUCLG1	6	6	6	19.1	36.249
Q9P2R7	SUCB1_HUMAN	Succinate--CoA ligase [ADP-forming] subunit beta, mitochondrial (EC 6.2.1.5) (ATF	463	SUCLA2	18	18	18	38.4	50.317
Q96199	SUCB2_HUMAN	Succinate--CoA ligase [GDP-forming] subunit beta, mitochondrial (EC 6.2.1.4) (GTI	432	SUCLG2	16	16	16	41.9	46.51
Q8IX01	SUGP2_HUMAN	SURP and G-patch domain-containing protein 2 (Arginine/serine-rich-splicing factor	1082	SUGP2	2	2	2	2.1	120.21
Q8IWU6	SULF1_HUMAN	Extracellular sulfatase Sulf-1 (hSulf-1) (EC 3.1.6.-)	871	SULF1	8	8	8	8.7	101.03
Q8NBJ7	SUMF2_HUMAN	Sulfatase-modifying factor 2 (C-alpha-formylglycine-generating enzyme 2)	301	SUMF2	3	3	3	9.3	33.843
P61956	SUMO2_HUMAN	Small ubiquitin-related modifier 2 (SUMO-2) (HSMT3) (SMT3 homolog 2) (SUMO-3	95	SUMO2	2	2	1	23.2	10.871
P55854	SUMO3_HUMAN	Small ubiquitin-related modifier 3 (SUMO-3) (SMT3 homolog 1) (SUMO-2) (Ubiquiti	103	SUMO3	2	1	1	20.4	11.637
O94901	SUN1_HUMAN	SUN domain-containing protein 1 (Protein unc-84 homolog A) (Sad1/unc-84 proteir	812	SUN1	11	10	10	17.4	90.063
Q9UH99	SUN2_HUMAN	SUN domain-containing protein 2 (Protein unc-84 homolog B) (Rab5-interacting prc	717	SUN2	17	17	16	37.8	80.31
P51687	SUOX_HUMAN	Sulfite oxidase, mitochondrial (EC 1.8.3.1)	545	SUOX	5	5	5	9.2	60.282
O15260	SURF4_HUMAN	Surfeit locus protein 4	269	SURF4	2	2	2	9.7	30.394
O75683	SURF6_HUMAN	Surfeit locus protein 6	361	SURF6	1	1	1	6.6	41.45
Q9UGT4	SUSD2_HUMAN	Sushi domain-containing protein 2	822	SUSD2	14	14	14	28.1	90.207
Q8IYB8	SUV3_HUMAN	ATP-dependent RNA helicase SUPV3L1, mitochondrial (EC 3.6.4.13) (Suppressor	786	SUPV3L1	2	2	2	3.2	87.99
O95425	SVIL_HUMAN	Supervillin (Archvillin) (p205/p250)	2214	SVIL	10	10	10	5.6	247.74
Q9UH65	SWP70_HUMAN	Switch-associated protein 70 (SWAP-70)	585	SWAP70	10	10	9	21.4	68.997
P49588	SYAC_HUMAN	Alanine--tRNA ligase, cytoplasmic (EC 6.1.1.7) (Alanyl-tRNA synthetase) (AlaRS) (	968	AARS	22	22	22	26.3	106.81
Q5J TZ9	SYAM_HUMAN	Alanine--tRNA ligase, mitochondrial (EC 6.1.1.7) (Alanyl-tRNA synthetase) (AlaRS)	985	AARS2	2	2	2	2.6	107.34
Q96A49	SYAP1_HUMAN	Synapse-associated protein 1	352	SYAP1	1	1	1	3.7	39.933
P49589	SYCC_HUMAN	Cysteine--tRNA ligase, cytoplasmic (EC 6.1.1.16) (Cysteinyl-tRNA synthetase) (Cy:	748	CARS	6	6	6	8.6	85.472
Q9HA77	SYCM_HUMAN	Probable cysteine--tRNA ligase, mitochondrial (EC 6.1.1.16) (Cysteinyl-tRNA synth	564	CARS2	3	3	3	5.5	62.223
P14868	SYDC_HUMAN	Aspartate--tRNA ligase, cytoplasmic (EC 6.1.1.12) (Aspartyl-tRNA synthetase) (Asp	501	DARS	14	14	14	34.7	57.136
Q6PI48	SYDM_HUMAN	Aspartate--tRNA ligase, mitochondrial (EC 6.1.1.12) (Aspartyl-tRNA synthetase) (A	645	DARS2	2	2	2	4.7	73.562
P07814	SYEP_HUMAN	Bifunctional glutamate/proline--tRNA ligase (Bifunctional aminoacyl-tRNA synthetas	1512	EPRS	17	17	17	18.5	170.59
Q9HCS7	SYF1_HUMAN	Pre-mRNA-splicing factor SYF1 (Protein HCNP) (XPA-binding protein 2)	855	XAB2	1	1	1	1.6	100.01
Q9Y285	SYFA_HUMAN	Phenylalanine--tRNA ligase alpha subunit (EC 6.1.1.20) (CML33) (Phenylalanyl-tRI	508	FARSA	5	5	5	13.2	57.563
Q9NSD9	SYFB_HUMAN	Phenylalanine--tRNA ligase beta subunit (EC 6.1.1.20) (Phenylalanyl-tRNA synthet	589	FARSB	9	9	9	15.6	66.115
P41250	SYG_HUMAN	Glycine--tRNA ligase (EC 3.6.1.17) (EC 6.1.1.14) (Diadenosine tetraphosphate syn	739	GARS	10	10	10	14.6	83.165
P12081	SYHC_HUMAN	Histidine--tRNA ligase, cytoplasmic (EC 6.1.1.21) (Histidyl-tRNA synthetase) (HisR:	509	HARS	9	9	9	19.6	57.41
P41252	SYIC_HUMAN	Isoleucine--tRNA ligase, cytoplasmic (EC 6.1.1.5) (Isoleucyl-tRNA synthetase) (IRS	1262	IARS	8	8	8	7.4	144.5

Q9NSE4	SYIM_HUMAN	Isoleucine--tRNA ligase, mitochondrial (EC 6.1.1.5) (Isoleucyl-tRNA synthetase) (Ile	1012	IARS2	19	19	19	22.5	113.79
P57105	SYJ2B_HUMAN	Synaptotagmin-2-binding protein (Mitochondrial outer membrane protein 25)	145	SYNJ2BP	1	1	1	8.3	15.928
Q15046	SYK_HUMAN	Lysine--tRNA ligase (EC 6.1.1.6) (Lysyl-tRNA synthetase) (LysRS)	597	KARS	12	12	12	24.6	68.047
Q9P2J5	SYLC_HUMAN	Leucine--tRNA ligase, cytoplasmic (EC 6.1.1.4) (Leucyl-tRNA synthetase) (LeuRS)	1176	LARS	14	14	14	13.1	134.46
P56192	SYMC_HUMAN	Methionine--tRNA ligase, cytoplasmic (EC 6.1.1.10) (Methionyl-tRNA synthetase) (M	900	MARS	8	8	8	10.3	101.11
Q92777	SYN2_HUMAN	Synapsin-2 (Synapsin II)	582	SYN2	1	1	1	2.4	62.846
O43776	SYNC_HUMAN	Asparagine--tRNA ligase, cytoplasmic (EC 6.1.1.22) (Asparaginyl-tRNA synthetase	548	NARS	7	7	7	18.2	62.942
Q8NF91	SYNE1_HUMAN	Nesprin-1 (Enaptin) (KASH domain-containing protein 1) (KASH1) (Myocyte nuclea	8797	SYNE1	11	11	11	1.8	1011.1
Q8VXH0	SYNE2_HUMAN	Nesprin-2 (KASH domain-containing protein 2) (KASH2) (Nuclear envelope spectrin	6885	SYNE2	17	17	17	2.8	796.43
Q6ZM23	SYNE3_HUMAN	Nesprin-3 (KASH domain-containing protein 3) (KASH3) (Nuclear envelope spectrin	975	SYNE3	6	6	6	7.3	112.22
O15061	SYNEM_HUMAN	Synemin (Desmuslin)	1565	SYNM	38	38	38	26.6	172.77
Q96I59	SYNM_HUMAN	Probable asparagine--tRNA ligase, mitochondrial (EC 6.1.1.22) (Asparaginyl-tRNA	477	NARS2	1	1	1	2.5	54.089
Q9UMS6	SYNP2_HUMAN	Synaptopodin-2 (Genethonin-2) (Myopodin)	1093	SYNPO2	32	32	32	36	117.51
Q8N3V7	SYNPO_HUMAN	Synaptopodin	929	SYNPO	7	7	7	9.5	99.462
Q16563	SYPL1_HUMAN	Synaptophysin-like protein 1 (Pantophysin)	259	SYPL1	2	2	2	10	28.565
P47897	SYQ_HUMAN	Glutamine--tRNA ligase (EC 6.1.1.18) (Glutamyl-tRNA synthetase) (GlnRS)	775	QARS	9	9	9	15.1	87.798
P54136	SYRC_HUMAN	Arginine--tRNA ligase, cytoplasmic (EC 6.1.1.19) (Arginyl-tRNA synthetase) (ArgRS)	660	RARS	12	12	12	22.6	75.378
P49591	SYSC_HUMAN	Serine--tRNA ligase, cytoplasmic (EC 6.1.1.11) (Seryl-tRNA synthetase) (SerRS) (S	514	SARS	13	13	13	28.4	58.777
Q9NP81	SYSM_HUMAN	Serine--tRNA ligase, mitochondrial (EC 6.1.1.11) (SerRSmt) (Seryl-tRNA synthetas	518	SARS2	7	7	7	14.9	58.282
P21579	SYT1_HUMAN	Synaptotagmin-1 (Synaptotagmin I) (SytI) (p65)	422	SYT1	2	2	2	4.7	47.573
P26639	SYTC_HUMAN	Threonine--tRNA ligase, cytoplasmic (EC 6.1.1.3) (Threonyl-tRNA synthetase) (Thr	723	TARS	11	11	10	16.9	83.434
A2RTX5	SYTC2_HUMAN	Probable threonine--tRNA ligase 2, cytoplasmic (EC 6.1.1.3) (Threonyl-tRNA synth	802	TARSL2	2	1	1	2.6	92.644
P37840	SYUA_HUMAN	Alpha-synuclein (Non-A beta component of AD amyloid) (Non-A4 component of am	140	SNCA	7	7	5	55.7	14.46
O76070	SYUG_HUMAN	Gamma-synuclein (Breast cancer-specific gene 1 protein) (Persyn) (Synoretin) (SR	127	SNCG	10	10	9	85	13.331
P26640	SYVC_HUMAN	Valine--tRNA ligase (EC 6.1.1.9) (Protein G7a) (Valyl-tRNA synthetase) (ValRS)	1264	VARS	15	15	15	15.7	140.47
Q86TM6	SYVN1_HUMAN	E3 ubiquitin-protein ligase synoviolin (EC 6.3.2.-) (Synovial apoptosis inhibitor 1)	617	SYVN1	1	1	1	1.6	67.684
P23381	SYWC_HUMAN	Tryptophan--tRNA ligase, cytoplasmic (EC 6.1.1.2) (Interferon-induced protein 53) (I	471	WARS	18	18	18	41.2	53.165
Q9UGM6	SYWM_HUMAN	Tryptophan--tRNA ligase, mitochondrial (EC 6.1.1.2) ((Mt)TrpRS) (Tryptophanyl-tR	360	WARS2	1	1	1	2.8	40.146
P54577	SYYC_HUMAN	Tyrosine--tRNA ligase, cytoplasmic (EC 6.1.1.1) (Tyrosyl-tRNA synthetase) (TyrRS	528	YARS	12	12	12	24.4	59.143
Q9H061	T126A_HUMAN	Transmembrane protein 126A	195	TMEM126A	2	2	2	9.7	21.527
Q99576	T22D3_HUMAN	TSC22 domain family protein 3 (DSIP-immunoreactive peptide) (Protein DIP) (hDIF	134	TSC22D3	1	1	1	7.5	14.81
Q9Y3Q8	T22D4_HUMAN	TSC22 domain family protein 4 (TSC22-related-inducible leucine zipper protein 2) (	395	TSC22D4	2	2	2	4.3	41.026
P35269	T2FA_HUMAN	General transcription factor IIF subunit 1 (General transcription factor IIF 74 kDa su	517	GTF2F1	2	2	2	4.8	58.24
Q96EM0	T3HPD_HUMAN	Trans-3-hydroxy-L-proline dehydratase (EC 4.2.1.77) (Trans-L-3-hydroxyproline de	354	L3HYPDH	5	5	5	18.1	38.137
O75410	TACC1_HUMAN	Transforming acidic coiled-coil-containing protein 1 (Gastric cancer antigen Ga55) (	805	TACC1	3	3	3	4.8	87.793
Q13148	TADBP_HUMAN	TAR DNA-binding protein 43 (TDP-43)	414	TARDBP	5	5	5	10.6	44.739
Q01995	TAGL_HUMAN	Transgelin (22 kDa actin-binding protein) (Protein WS3-10) (Smooth muscle protei	201	TAGLN	21	21	20	87.1	22.611
P37802	TAGL2_HUMAN	Transgelin-2 (Epididymis tissue protein Li 7e) (SM22-alpha homolog)	199	TAGLN2	15	15	14	88.4	22.391
Q9UI15	TAGL3_HUMAN	Transgelin-3 (Neuronal protein 22) (NP22) (Neuronal protein NP25)	199	TAGLN3	4	2	2	22.6	22.472
P37837	TALDO_HUMAN	Transaldolase (EC 2.2.1.2)	337	TALDO1	17	17	17	40.9	37.54
Q9C0D5	TANC1_HUMAN	Protein TANC1 (Tetratricopeptide repeat, ankyrin repeat and coiled-coil domain-con	1861	TANC1	1	1	1	0.8	202.22
Q03518	TAP1_HUMAN	Antigen peptide transporter 1 (APT1) (ATP-binding cassette sub-family B member 1)	808	TAP1	4	4	4	5.8	87.217
Q03519	TAP2_HUMAN	Antigen peptide transporter 2 (APT2) (ATP-binding cassette sub-family B member 2)	686	TAP2	3	3	3	3.9	75.663
Q9H2D6	TARA_HUMAN	TRIO and F-actin-binding protein (Protein Tara) (Trio-associated repeat on actin)	2365	TRIOBP	12	12	12	5.9	261.37
Q7Z7G0	TARSH_HUMAN	Target of Nesh-SH3 (Tarsh) (ABI gene family member 3-binding protein) (Nesh-bin	1075	ABI3BP	12	12	12	16.8	118.64
Q6P1N9	TATD1_HUMAN	Putative deoxyribonuclease TATDN1 (EC 3.1.21.-) (Hepatocarcinoma high express	297	TATDN1	2	2	2	6.4	33.601
P10636	TAU_HUMAN	Microtubule-associated protein tau (Neurofibrillary tangle protein) (Paired helical fil	758	MAPT	7	7	7	15.3	78.927
Q9BX16	TB10A_HUMAN	TBC1 domain family member 10A (EBP50-PDX interactor of 64 kDa) (EPI64 protei	508	TBC1D10A	1	1	1	2.4	57.117
Q9C0C2	TB182_HUMAN	182 kDa tankyrase-1-binding protein	1729	TNKS1BP1	34	34	34	23.6	181.79
Q71U36	TBA1A_HUMAN	Tubulin alpha-1A chain (Alpha-tubulin 3) (Tubulin B-alpha-1) (Tubulin alpha-3 chain	451	TUBA1A	24	2	1	65.6	50.135
Q9BQE3	TBA1C_HUMAN	Tubulin alpha-1C chain (Alpha-tubulin 6) (Tubulin alpha-6 chain) [Cleaved into: Det	449	TUBA1C	23	2	2	61.7	49.895
P68366	TBA4A_HUMAN	Tubulin alpha-4A chain (Alpha-tubulin 1) (Testis-specific alpha-tubulin) (Tubulin H2	448	TUBA4A	23	4	4	61.4	49.924

Q9H4B7	TBB1_HUMAN	Tubulin beta-1 chain	451	TUBB1	6	1	1	11.8	50.326
Q13885	TBB2A_HUMAN	Tubulin beta-2A chain (Tubulin beta class IIa)	445	TUBB2A	16	3	1	51	49.906
Q9BVA1	TBB2B_HUMAN	Tubulin beta-2B chain	445	TUBB2B	16	1	1	51	49.953
Q13509	TBB3_HUMAN	Tubulin beta-3 chain (Tubulin beta-4 chain) (Tubulin beta-III)	450	TUBB3	15	5	2	37.6	50.432
P68371	TBB4B_HUMAN	Tubulin beta-4B chain (Tubulin beta-2 chain) (Tubulin beta-2C chain)	445	TUBB4B	18	4	1	52.1	49.83
P07437	TBB5_HUMAN	Tubulin beta chain (Tubulin beta-5 chain)	444	TUBB	19	19	4	58.3	49.67
Q9BUF5	TBB6_HUMAN	Tubulin beta-6 chain (Tubulin beta class V)	446	TUBB6	14	4	4	35.7	49.857
Q3ZCM7	TBB8_HUMAN	Tubulin beta-8 chain (Tubulin beta 8 class VIII)	444	TUBB8	8	1	1	21.2	49.775
Q9NVG8	TBC13_HUMAN	TBC1 domain family member 13	400	TBC1D13	2	2	2	9	46.553
Q8TC07	TBC15_HUMAN	TBC1 domain family member 15 (GTPase-activating protein RAB7) (GAP for RAB7)	691	TBC1D15	2	2	2	2.5	79.49
Q9HA65	TBC17_HUMAN	TBC1 domain family member 17	648	TBC1D17	3	3	3	4.2	72.727
Q9ULP9	TBC24_HUMAN	TBC1 domain family member 24	559	TBC1D24	4	4	4	7.9	62.919
Q66K14	TBC9B_HUMAN	TBC1 domain family member 9B	1250	TBC1D9B	6	6	6	7.6	140.52
O75347	TBCA_HUMAN	Tubulin-specific chaperone A (TCP1-chaperonin cofactor A) (Tubulin-folding cofact	108	TBCA	7	7	7	49.1	12.855
Q99426	TBCB_HUMAN	Tubulin-folding cofactor B (Cytoskeleton-associated protein 1) (Cytoskeleton-assoc	244	TBCB	9	9	9	36.5	27.325
Q9BTW9	TBCD_HUMAN	Tubulin-specific chaperone D (Beta-tubulin cofactor D) (tfcD) (SSD-1) (Tubulin-foldi	1192	TBCD	3	3	3	2.2	132.6
O60343	TBCD4_HUMAN	TBC1 domain family member 4 (Akt substrate of 160 kDa) (AS160)	1298	TBC1D4	4	4	4	3.9	146.56
Q92609	TBCD5_HUMAN	TBC1 domain family member 5	795	TBC1D5	3	3	3	4.3	89.003
Q5QJ74	TBCEL_HUMAN	Tubulin-specific chaperone cofactor E-like protein (EL) (Leucine-rich repeat-contain	424	TBCEL	1	1	1	3.1	48.194
Q9UPU7	TBD2B_HUMAN	TBC1 domain family member 2B	963	TBC1D2B	1	1	1	1.5	109.88
Q9NRH3	TBG2_HUMAN	Tubulin gamma-2 chain (Gamma-2-tubulin)	451	TUBG2	2	2	2	6	51.091
Q9BZK7	TBL1R_HUMAN	F-box-like/WD repeat-containing protein TBL1XR1 (Nuclear receptor corepressor/h	514	TBL1XR1	4	4	4	9.9	55.594
Q9Y4P3	TBL2_HUMAN	Transducin beta-like protein 2 (WS beta-transducin repeats protein) (WS-betaTRP)	447	TBL2	5	5	5	11.4	49.797
Q12788	TBL3_HUMAN	Transducin beta-like protein 3 (WD repeat-containing protein SAZD)	808	TBL3	1	1	1	2.1	89.034
Q969Z0	TBRG4_HUMAN	Protein TBRG4 (Cell cycle progression restoration protein 2) (Cell cycle progressio	631	TBRG4	2	2	2	4.4	70.737
Q15170	TCAL1_HUMAN	Transcription elongation factor A protein-like 1 (TCEA-like protein 1) (Nuclear phos	157	TCEAL1	1	1	1	5.7	18.354
Q969E4	TCAL3_HUMAN	Transcription elongation factor A protein-like 3 (TCEA-like protein 3) (Transcription	200	TCEAL3	4	4	4	22.5	22.502
P23193	TCEA1_HUMAN	Transcription elongation factor A protein 1 (Transcription elongation factor S-II prot	301	TCEA1	4	4	4	15.9	33.969
Q13428	TCOF_HUMAN	Treacle protein (Treacher Collins syndrome protein)	1488	TCOF1	8	8	8	5.6	152.1
P53999	TCP4_HUMAN	Activated RNA polymerase II transcriptional coactivator p15 (Positive cofactor 4) (P	127	SUB1	3	3	3	22.8	14.395
P17987	TCPA_HUMAN	T-complex protein 1 subunit alpha (TCP-1-alpha) (CCT-alpha)	556	TCP1	17	17	17	34.5	60.343
P78371	TCPB_HUMAN	T-complex protein 1 subunit beta (TCP-1-beta) (CCT-beta)	535	CCT2	22	22	22	51.8	57.488
P50991	TCPD_HUMAN	T-complex protein 1 subunit delta (TCP-1-delta) (CCT-delta) (Stimulator of TAR RN	539	CCT4	20	20	20	46.9	57.924
P48643	TCPE_HUMAN	T-complex protein 1 subunit epsilon (TCP-1-epsilon) (CCT-epsilon)	541	CCT5	25	25	25	55.6	59.67
P49368	TCPG_HUMAN	T-complex protein 1 subunit gamma (TCP-1-gamma) (CCT-gamma) (hTRiC5)	545	CCT3	16	16	16	34.3	60.533
Q99832	TCPH_HUMAN	T-complex protein 1 subunit eta (TCP-1-eta) (CCT-eta) (HIV-1 Nef-interacting prote	543	CCT7	21	21	21	52.3	59.366
P50990	TCPQ_HUMAN	T-complex protein 1 subunit theta (TCP-1-theta) (CCT-theta) (Renal carcinoma ant	548	CCT8	21	21	21	43.1	59.62
P40227	TCPZ_HUMAN	T-complex protein 1 subunit zeta (TCP-1-zeta) (Acute morphine dependence-relate	531	CCT6A	14	14	14	35.4	58.024
O14776	TCRG1_HUMAN	Transcription elongation regulator 1 (TATA box-binding protein-associated factor 2	1098	TCERG1	4	4	4	3.8	123.9
P13693	TCTP_HUMAN	Translationally-controlled tumor protein (TCTP) (Fortilin) (Histamine-releasing facto	172	TPT1	4	4	4	24.4	19.595
Q9NYB0	TE2IP_HUMAN	Telomeric repeat-binding factor 2-interacting protein 1 (TERF2-interacting telomeric	399	TERF2IP	1	1	1	7.3	44.259
Q15185	TEBP_HUMAN	Prostaglandin E synthase 3 (EC 5.3.99.3) (Cytosolic prostaglandin E2 synthase) (c	160	PTGES3	4	4	4	26.2	18.697
Q9NZ01	TECR_HUMAN	Very-long-chain enoyl-CoA reductase (EC 1.3.1.93) (Synaptic glycoprotein SC2) (T	308	TECR	6	6	6	14.9	36.034
P24821	TENA_HUMAN	Tenascin (TN) (Cytotactin) (GMEM) (GP 150-225) (Glioma-associated-extracellular	2201	TNC	53	53	53	31.3	240.85
Q9HBL0	TENS1_HUMAN	Tensin-1	1735	TNS1	52	52	50	39.1	185.7
Q68C22	TENS3_HUMAN	Tensin-3 (Tensin-like SH2 domain-containing protein 1) (Tumor endothelial marker	1445	TNS3	4	2	2	2.5	155.26
P22105	TENX_HUMAN	Tenascin-X (TN-X) (Hexabrachion-like protein)	4242	TNXB	96	96	96	35.7	458.22
P55072	TERA_HUMAN	Transitional endoplasmic reticulum ATPase (TER ATPase) (EC 3.6.4.6) (15S Mg(2	806	VCP	41	41	41	63.4	89.321
Q9UGI8	TES_HUMAN	Testin (TESS)	421	TES	18	18	18	46.3	47.996
P05452	TETN_HUMAN	Tetranectin (TN) (C-type lectin domain family 3 member B) (Plasminogen kringle 4-	202	CLEC3B	7	7	7	44.1	22.537
Q9NXF1	TEX10_HUMAN	Testis-expressed sequence 10 protein	929	TEX10	1	1	1	1.9	105.67
P52655	TF2AA_HUMAN	Transcription initiation factor IIA subunit 1 (General transcription factor IIA subunit 1	376	GTF2A1	1	1	1	2.9	41.513

Q04206	TF65_HUMAN	Transcription factor p65 (Nuclear factor NF-kappa-B p65 subunit) (Nuclear factor of	551	RELA	5	5	5	9.8	60.218
Q00059	TFAM_HUMAN	Transcription factor A, mitochondrial (mtTFA) (Mitochondrial transcription factor 1) (	246	TFAM	6	6	6	17.5	29.096
Q12800	TFCP2_HUMAN	Alpha-globin transcription factor CP2 (SAA3 enhancer factor) (Transcription factor I	502	TFCP2	1	1	1	3.6	57.255
Q92734	TFG_HUMAN	Protein TFG (TRK-fused gene protein)	400	TFG	5	5	5	19.8	43.447
O95379	TFIP8_HUMAN	Tumor necrosis factor alpha-induced protein 8 (TNF alpha-induced protein 8) (Hea	198	TNFAIP8	1	1	1	5.1	23.003
P48307	TFPI2_HUMAN	Tissue factor pathway inhibitor 2 (TFPI-2) (Placental protein 5) (PP5)	235	TFPI2	1	1	1	6.4	26.934
P02786	TFR1_HUMAN	Transferrin receptor protein 1 (TR) (TfR) (TfRr) (Trfr) (T9) (p90) (CD antigen CD71	760	TFRC	5	5	5	9.9	84.87
Q03167	TGBR3_HUMAN	Transforming growth factor beta receptor type 3 (TGF-beta receptor type 3) (TGFR	851	TGFBR3	1	1	1	1.5	93.498
O43294	TGF1_HUMAN	Transforming growth factor beta-1-induced transcript 1 protein (Androgen receptor	461	TGFB111	11	11	11	28	49.814
P22735	TGM1_HUMAN	Protein-glutamine gamma-glutamyltransferase K (EC 2.3.2.13) (Epidermal TGase)	817	TGM1	3	3	3	5.4	89.786
P21980	TGM2_HUMAN	Protein-glutamine gamma-glutamyltransferase 2 (EC 2.3.2.13) (Tissue transglutam	687	TGM2	28	28	28	45.7	77.328
O43493	TGON2_HUMAN	Trans-Golgi network integral membrane protein 2 (TGN38 homolog) (TGN46) (TGN	480	TGOLN2	4	4	4	10.6	51.112
Q8WTV1	THAP3_HUMAN	THAP domain-containing protein 3	239	THAP3	1	1	1	3.3	27.059
P24557	THAS_HUMAN	Thromboxane-A synthase (TXA synthase) (TXS) (EC 5.3.99.5) (Cytochrome P450	533	TBXAS1	2	2	2	4.5	60.518
P05543	THBG_HUMAN	Thyroxine-binding globulin (Serpin A7) (T4-binding globulin)	415	SERPINA7	3	3	3	9.9	46.324
Q8WUY1	THEM6_HUMAN	Protein THEM6 (Mesenchymal stem cell protein DSCD75) (Thioesterase superfam	208	THEM6	4	4	4	20.7	23.865
Q9BWD1	THIC_HUMAN	Acetyl-CoA acetyltransferase, cytosolic (EC 2.3.1.9) (Acetyl-CoA transferase-like pr	397	ACAT2	4	4	4	15.6	41.35
P09110	THIK_HUMAN	3-ketoacyl-CoA thiolase, peroxisomal (EC 2.3.1.16) (Acetyl-CoA acyltransferase) (E	424	ACAA1	6	6	6	25.2	44.292
P24752	THIL_HUMAN	Acetyl-CoA acetyltransferase, mitochondrial (EC 2.3.1.9) (Acetoacetyl-CoA thiolase	427	ACAT1	16	16	16	41	45.199
P42765	THIM_HUMAN	3-ketoacyl-CoA thiolase, mitochondrial (EC 2.3.1.16) (Acetyl-CoA acyltransferase) (	397	ACAA2	21	21	21	71.8	41.924
P10599	THIO_HUMAN	Thioredoxin (Trx) (ATL-derived factor) (ADF) (Surface-associated sulphhydryl protei	105	TXN	4	4	4	31.4	11.737
Q99757	THIOM_HUMAN	Thioredoxin, mitochondrial (MTRX) (Mt-Trx) (Thioredoxin-2)	166	TXN2	2	2	2	21.7	18.383
Q5TEJ8	THMS2_HUMAN	Protein THEMIS2 (Induced by contact to basement membrane 1 protein) (Protein I	643	THEMIS2	1	1	1	2.6	72.048
Q8NI27	THOC2_HUMAN	THO complex subunit 2 (Tho2) (hTREX120)	1593	THOC2	3	3	3	2.3	182.77
Q86V81	THOC4_HUMAN	THO complex subunit 4 (Tho4) (Ally of AML-1 and LEF-1) (Aly/REF export factor) (	257	ALYREF	4	4	4	17.9	26.888
P52888	THOP1_HUMAN	Thimet oligopeptidase (EC 3.4.24.15) (Endopeptidase 24.15) (MP78)	689	THOP1	4	4	4	7.4	78.839
P00734	THRB_HUMAN	Prothrombin (EC 3.4.21.5) (Coagulation factor II) [Cleaved into: Activation peptide f	622	F2	25	25	25	48.6	70.036
Q6ZMP0	THSD4_HUMAN	Thrombospondin type-1 domain-containing protein 4 (A disintegrin and metalloprote	1018	THSD4	4	4	4	4.5	112.45
P25325	THTM_HUMAN	3-mercaptopyruvate sulfurtransferase (MST) (EC 2.8.1.2)	297	MPST	6	6	6	27.6	33.178
Q16762	THTR_HUMAN	Thiosulfate sulfurtransferase (EC 2.8.1.1) (Rhodanese)	297	TST	8	8	8	34.7	33.429
Q9NXG2	THUM1_HUMAN	THUMP domain-containing protein 1	353	THUMPD1	7	7	7	22.4	39.315
P04216	THY1_HUMAN	Thy-1 membrane glycoprotein (CDw90) (Thy-1 antigen) (CD antigen CD90)	161	THY1	2	2	2	14.9	17.935
Q9P016	THYN1_HUMAN	Thymocyte nuclear protein 1 (Thymocyte protein Thy28)	225	THYN1	5	5	5	24.4	25.697
Q01085	TIAR_HUMAN	Nucleolysin TIAR (TIA-1-related protein)	375	TIAL1	2	2	2	4.8	41.59
Q13263	TIF1B_HUMAN	Transcription intermediary factor 1-beta (TIF1-beta) (E3 SUMO-protein ligase TRIM	835	TRIM28	15	15	14	28.5	88.549
Q9NQ88	TIGAR_HUMAN	Fructose-2,6-bisphosphatase TIGAR (EC 3.1.3.46) (TP53-induced glycolysis and a	270	TIGAR	1	1	1	6.3	30.062
Q9Y5L4	TIM13_HUMAN	Mitochondrial import inner membrane translocase subunit Tim13	95	TIMM13	1	1	1	10.5	10.5
Q9Y3D7	TIM16_HUMAN	Mitochondrial import inner membrane translocase subunit TIM16 (Mitochondria-ass	125	PAM16	1	1	1	18.4	13.825
O14925	TIM23_HUMAN	Mitochondrial import inner membrane translocase subunit Tim23	209	TIMM23	1	1	1	4.8	21.943
O43615	TIM44_HUMAN	Mitochondrial import inner membrane translocase subunit TIM44	452	TIMM44	10	10	10	25.9	51.355
Q3ZCQ8	TIM50_HUMAN	Mitochondrial import inner membrane translocase subunit TIM50	353	TIMM50	6	6	6	22.7	39.646
O60220	TIM8A_HUMAN	Mitochondrial import inner membrane translocase subunit Tim8 A (Deafness dystor	97	TIMM8A	1	1	1	11.3	10.998
Q9Y5J9	TIM8B_HUMAN	Mitochondrial import inner membrane translocase subunit Tim8 B (DDP-like protein	83	TIMM8B	1	1	1	15.7	9.3435
P01033	TIMP1_HUMAN	Metalloproteinase inhibitor 1 (Erythroid-potentiating activity) (EPA) (Fibroblast colla	207	TIMP1	2	2	2	9.7	23.171
P35625	TIMP3_HUMAN	Metalloproteinase inhibitor 3 (Protein MIG-5) (Tissue inhibitor of metalloproteinases	211	TIMP3	3	3	3	16.6	24.145
Q9GZM7	TINAL_HUMAN	Tubulointerstitial nephritis antigen-like (Glucocorticoid-inducible protein 5) (Oxidizec	467	TINAGL1	17	17	17	52.2	52.387
O75663	TIPRL_HUMAN	TIP41-like protein (Putative MAPK-activating protein PM10) (Type 2A-interacting pr	272	TIPRL	2	2	2	9.6	31.444
Q8WZ42	TITIN_HUMAN	Titin (EC 2.7.11.1) (Connectin) (Rhabdomyosarcoma antigen MU-RMS-40.14)	34350	TTN	2	2	2	0.1	3816
Q3LXA3	TKFC_HUMAN	Triokinase/FMN cyclase (Bifunctional ATP-dependent dihydroxyacetone kinase/FA	575	TKFC	6	6	6	12.7	58.946
P29401	TKT_HUMAN	Transketolase (TK) (EC 2.2.1.1)	623	TKT	26	26	26	49.4	67.877
Q6P9B6	TLDC1_HUMAN	TLD domain-containing protein 1 (TBC/LysM-associated domain-containing protein	456	TLDC1	1	1	1	5	50.993
Q04725	TLE2_HUMAN	Transducin-like enhancer protein 2 (Enhancer of split groucho-like protein 2) (ESG;	743	TLE2	1	1	1	1.5	79.84

Q9Y490	TLN1_HUMAN	Talin-1	2541 TLN1	132	132	118	66.4	269.76
Q9Y4G6	TLN2_HUMAN	Talin-2	2542 TLN2	60	46	46	28.9	271.61
Q9BVC6	TM109_HUMAN	Transmembrane protein 109 (Mitsugumin-23) (Mg23)	243 TMEM109	5	5	5	16	26.21
Q4V9L6	TM119_HUMAN	Transmembrane protein 119 (Osteoblast induction factor) (OBIF)	283 TMEM119	3	3	3	11.3	29.203
Q96AN5	TM143_HUMAN	Transmembrane protein 143	459 TMEM143	1	1	1	3.1	51.714
Q8IY95	TM192_HUMAN	Transmembrane protein 192	271 TMEM192	1	1	1	4.4	30.922
Q6ZVM7	TM1L2_HUMAN	TOM1-like protein 2 (Target of Myb-like protein 2)	507 TOM1L2	3	3	3	6.3	55.556
Q5SNT2	TM201_HUMAN	Transmembrane protein 201 (Spindle-associated membrane protein 1)	666 TMEM201	1	1	1	2.6	72.235
Q9H330	TM245_HUMAN	Transmembrane protein 245 (Protein CG-2)	911 TMEM245	4	4	4	4.2	100.94
Q8N2U0	TM256_HUMAN	Transmembrane protein 256	113 TMEM256	1	1	1	7.1	11.741
P61165	TM258_HUMAN	Transmembrane protein 258	79 TMEM258	1	1	1	10.1	9.0788
Q53FP2	TM35A_HUMAN	Transmembrane protein 35A	167 TMEM35A	2	2	2	13.8	18.44
Q95807	TM50A_HUMAN	Transmembrane protein 50A (Small membrane protein 1)	157 TMEM50A	1	1	1	5.1	17.4
P56557	TM50B_HUMAN	Transmembrane protein 50B (HCV p7-trans-regulated protein 3)	158 TMEM50B	1	1	1	5.1	17.936
Q8NBN3	TM87A_HUMAN	Transmembrane protein 87A	555 TMEM87A	1	1	1	2.2	63.429
O15321	TM9S1_HUMAN	Transmembrane 9 superfamily member 1 (MP70 protein family member) (hMP70)	606 TM9SF1	2	2	2	5.1	68.86
Q99805	TM9S2_HUMAN	Transmembrane 9 superfamily member 2 (p76)	663 TM9SF2	2	2	2	3.3	75.775
Q9HD45	TM9S3_HUMAN	Transmembrane 9 superfamily member 3 (EP70-P-iso) (SM-11044-binding protein)	589 TM9SF3	5	5	5	8.7	67.887
Q15363	TMED2_HUMAN	Transmembrane emp24 domain-containing protein 2 (Membrane protein p24A) (p2)	201 TMED2	3	3	3	19.9	22.761
Q7Z7H5	TMED4_HUMAN	Transmembrane emp24 domain-containing protein 4 (Endoplasmic reticulum stress	227 TMED4	4	3	3	20.3	25.943
Q9Y3A6	TMED5_HUMAN	Transmembrane emp24 domain-containing protein 5 (p24 family protein gamma-2)	229 TMED5	1	1	1	5.2	26.005
Q9Y3B3	TMED7_HUMAN	Transmembrane emp24 domain-containing protein 7 (p24 family protein gamma-3)	224 TMED7	2	2	2	9.8	25.171
Q9BVK6	TMED9_HUMAN	Transmembrane emp24 domain-containing protein 9 (GMP25) (Glycoprotein 25L2)	235 TMED9	5	5	4	28.1	27.277
P49755	TMEDA_HUMAN	Transmembrane emp24 domain-containing protein 10 (21 kDa transmembrane-traf	219 TMED10	7	7	7	37.4	24.976
Q9NVH6	TMLH_HUMAN	Trimethyllysine dioxygenase, mitochondrial (EC 1.14.11.8) (Epsilon-trimethyllysine	421 TMLHE	5	5	5	14.3	49.517
Q9BTV4	TMM43_HUMAN	Transmembrane protein 43 (Protein LUMA)	400 TMEM43	17	17	17	43.5	44.875
P28289	TMOD1_HUMAN	Tropomodulin-1 (Erythrocyte tropomodulin) (E-Tmod)	359 TMOD1	7	7	7	19.2	40.569
Q9NZR1	TMOD2_HUMAN	Tropomodulin-2 (Neuronal tropomodulin) (N-Tmod)	351 TMOD2	6	6	6	20.8	39.595
Q9NYL9	TMOD3_HUMAN	Tropomodulin-3 (Ubiquitous tropomodulin) (U-Tmod)	352 TMOD3	13	13	13	43.2	39.594
Q6ZXV5	TMTC3_HUMAN	Transmembrane and TPR repeat-containing protein 3 (Protein SMILE)	915 TMTC3	2	2	2	1.6	104.01
Q9BVT8	TMUB1_HUMAN	Transmembrane and ubiquitin-like domain-containing protein 1 (Dendritic cell-deriv	246 TMUB1	1	1	1	4.9	26.261
Q9H3N1	TMX1_HUMAN	Thioredoxin-related transmembrane protein 1 (Thioredoxin domain-containing prote	280 TMX1	5	5	5	17.9	31.791
Q96JJ7	TMX3_HUMAN	Protein disulfide-isomerase TMX3 (EC 5.3.4.1) (Thioredoxin domain-containing pro	454 TMX3	6	6	6	18.3	51.871
Q9H1E5	TMX4_HUMAN	Thioredoxin-related transmembrane protein 4 (Thioredoxin domain-containing prote	349 TMX4	1	1	1	4.3	38.952
Q03169	TNAP2_HUMAN	Tumor necrosis factor alpha-induced protein 2 (TNF alpha-induced protein 2) (Prim	654 TNFAIP2	5	5	5	12.7	72.66
O75888	TNF13_HUMAN	Tumor necrosis factor ligand superfamily member 13 (A proliferation-inducing ligan	250 TNFSF13	1	1	1	4	27.433
Q6ICL3	TNG2_HUMAN	Transport and Golgi organization protein 2 homolog	276 TANGO2	2	2	2	12	30.937
Q92973	TNPO1_HUMAN	Transportin-1 (Importin beta-2) (Karyopherin beta-2) (M9 region interaction protein)	898 TNPO1	8	8	6	11.7	102.35
O14787	TNPO2_HUMAN	Transportin-2 (Karyopherin beta-2b)	897 TNPO2	4	2	2	5.4	101.39
Q9Y5L0	TNPO3_HUMAN	Transportin-3 (Importin-12) (Imp12) (Transportin-SR) (TRN-SR)	923 TNPO3	5	5	5	6.2	104.2
P08138	TNR16_HUMAN	Tumor necrosis factor receptor superfamily member 16 (Gp80-LNGFR) (Low affinity	427 NGFR	2	2	2	5.9	45.183
P25942	TNR5_HUMAN	Tumor necrosis factor receptor superfamily member 5 (B-cell surface antigen CD40	277 CD40	1	1	1	2.9	30.619
Q63HR2	TNS2_HUMAN	Tensin-2 (EC 3.1.3.-) (C1 domain-containing phosphatase and tensin homolog) (C1	1409 TNS2	22	20	20	19.3	152.58
Q5JTV8	TOIP1_HUMAN	Torsin-1A-interacting protein 1 (Lamin-associated protein 1B) (LAP1B)	583 TOR1AIP1	5	5	5	10.1	66.248
Q9H0E2	TOLIP_HUMAN	Toll-interacting protein	274 TOLLIP	3	3	3	13.1	30.281
Q60784	TOM1_HUMAN	Target of Myb protein 1	492 TOM1	7	7	7	16.5	53.818
Q15388	TOM20_HUMAN	Mitochondrial import receptor subunit TOM20 homolog (Mitochondrial 20 kDa outer	145 TOMM20	1	1	1	9	16.298
Q9NS69	TOM22_HUMAN	Mitochondrial import receptor subunit TOM22 homolog (hTom22) (1C9-2) (Transloc	142 TOMM22	1	1	1	8.5	15.521
O96008	TOM40_HUMAN	Mitochondrial import receptor subunit TOM40 homolog (Protein Haymaker) (Transl	361 TOMM40	2	2	2	11.9	37.893
Q96B49	TOM6_HUMAN	Mitochondrial import receptor subunit TOM6 homolog (Overexpressed breast tumo	74 TOMM6	1	1	1	18.9	8.0019
O94826	TOM70_HUMAN	Mitochondrial import receptor subunit TOM70 (Mitochondrial precursor proteins imp	608 TOMM70	12	12	11	26.8	67.454
P11387	TOP1_HUMAN	DNA topoisomerase 1 (EC 5.99.1.2) (DNA topoisomerase I)	765 TOP1	8	8	8	12.8	90.725

Q02880	TOP2B_HUMAN	DNA topoisomerase 2-beta (EC 5.99.1.3) (DNA topoisomerase II, beta isozyme)	1626	TOP2B	7	7	7	5.2	183.26
O14656	TOR1A_HUMAN	Torsin-1A (Dystonia 1 protein) (Torsin ATPase-1A) (EC 3.6.4.-) (Torsin family 1 me	332	TOR1A	1	1	1	3.9	37.808
Q9H497	TOR3A_HUMAN	Torsin-3A (ATP-dependent interferon-responsive protein) (Torsin family 3 member	397	TOR3A	1	1	1	4	46.198
Q9NXH8	TOR4A_HUMAN	Torsin-4A (Torsin family 4 member A)	423	TOR4A	2	2	2	5	46.914
Q12888	TP53B_HUMAN	Tumor suppressor p53-binding protein 1 (53BP1) (p53-binding protein 1) (p53BP1)	1972	TP53BP1	4	4	4	2.2	213.57
Q9UL33	TPC2L_HUMAN	Trafficking protein particle complex subunit 2-like protein	140	TRAPPC2L	1	1	1	10	16.145
P55327	TPD52_HUMAN	Tumor protein D52 (Protein N8)	224	TPD52	1	1	1	6.7	24.327
O43399	TPD54_HUMAN	Tumor protein D54 (hD54) (Tumor protein D52-like 2)	206	TPD52L2	8	8	8	48.1	22.237
P60174	TPIS_HUMAN	Triosephosphate isomerase (TIM) (EC 5.3.1.1) (Triose-phosphate isomerase)	286	TPI1	15	15	15	61.2	30.791
P09493	TPM1_HUMAN	Tropomyosin alpha-1 chain (Alpha-tropomyosin) (Tropomyosin-1)	284	TPM1	29	18	12	62.7	32.708
P07951	TPM2_HUMAN	Tropomyosin beta chain (Beta-tropomyosin) (Tropomyosin-2)	284	TPM2	28	3	2	60.6	32.85
P06753	TPM3_HUMAN	Tropomyosin alpha-3 chain (Gamma-tropomyosin) (Tropomyosin-3) (Tropomyosin-	285	TPM3	24	8	8	57.5	32.95
P67936	TPM4_HUMAN	Tropomyosin alpha-4 chain (TM30p1) (Tropomyosin-4)	248	TPM4	25	14	11	64.1	28.521
O14773	TPP1_HUMAN	Tripeptidyl-peptidase 1 (TPP-1) (EC 3.4.14.9) (Cell growth-inhibiting gene 1 protein	563	TPP1	4	4	4	9.4	61.247
P29144	TPP2_HUMAN	Tripeptidyl-peptidase 2 (TPP-2) (EC 3.4.14.10) (Tripeptidyl aminopeptidase) (Tripe	1249	TPP2	9	9	9	7.2	138.35
O43617	TPPC3_HUMAN	Trafficking protein particle complex subunit 3 (BET3 homolog)	180	TRAPPC3	2	2	2	10.6	20.274
Q8IUR0	TPPC5_HUMAN	Trafficking protein particle complex subunit 5	188	TRAPPC5	1	1	1	6.9	20.783
Q9Y2L5	TPPC8_HUMAN	Trafficking protein particle complex subunit 8 (Protein TRS85 homolog)	1435	TRAPPC8	1	1	1	0.7	161
O94811	TPPP_HUMAN	Tubulin polymerization-promoting protein (TPPP) (25 kDa brain-specific protein) (TI	219	TPPP	5	5	5	25.1	23.693
Q9BW30	TPPP3_HUMAN	Tubulin polymerization-promoting protein family member 3 (TPPP/p20)	176	TPPP3	13	13	13	65.9	18.985
P12270	TPR_HUMAN	Nucleoprotein TPR (Megator) (NPC-associated intranuclear protein) (Translocated	2363	TPR	40	40	40	17.5	267.29
Q9Y3C4	TPRKB_HUMAN	EKC/KEOPS complex subunit TPRKB (PRPK-binding protein) (TP53RK-binding pr	175	TPRKB	1	1	1	10.3	19.661
O15533	TPSN_HUMAN	Tapasin (TPN) (TPSN) (NGS-17) (TAP-associated protein) (TAP-binding protein)	448	TAPBP	2	2	2	4.5	47.625
Q9Y2W1	TR150_HUMAN	Thyroid hormone receptor-associated protein 3 (Thyroid hormone receptor-associa	955	THRAP3	10	10	10	11.1	108.66
Q13595	TRA2A_HUMAN	Transformer-2 protein homolog alpha (TRA-2 alpha) (TRA2-alpha) (Transformer-2	282	TRA2A	3	3	3	9.9	32.688
P62995	TRA2B_HUMAN	Transformer-2 protein homolog beta (TRA-2 beta) (TRA2-beta) (hTRA2-beta) (Splic	288	TRA2B	5	5	5	23.6	33.665
Q15628	TRADD_HUMAN	Tumor necrosis factor receptor type 1-associated DEATH domain protein (TNFR1- ζ	312	TRADD	1	1	1	3.8	34.247
Q12931	TRAP1_HUMAN	Heat shock protein 75 kDa, mitochondrial (HSP 75) (TNFR-associated protein 1) (T	704	TRAP1	10	10	10	20	80.109
P07204	TRBM_HUMAN	Thrombomodulin (TM) (Fetomodulin) (CD antigen CD141)	575	THBD	3	3	3	4.3	60.329
Q9NSU2	TREX1_HUMAN	Three-prime repair exonuclease 1 (EC 3.1.11.2) (3'-5' exonuclease TREX1) (DNase	369	TREX1	1	1	1	3	38.923
P02787	TRFE_HUMAN	Serotransferrin (Transferrin) (Beta-1 metal-binding globulin) (Siderophilin)	698	TF	50	50	48	66.3	77.063
P02788	TRFL_HUMAN	Lactotransferrin (Lactoferrin) (EC 3.4.21.-) (Growth-inhibiting protein 12) (Tala	710	LTF	14	14	13	26.9	78.181
P08582	TRFM_HUMAN	Melanotransferrin (Melanoma-associated antigen p97) (CD antigen CD228)	738	MELTF	1	1	1	1.5	80.214
Q14258	TRI25_HUMAN	E3 ubiquitin/ISG15 ligase TRIM25 (EC 6.3.2.n3) (Estrogen-responsive finger protei	630	TRIM25	13	13	13	28.7	70.973
Q9UPN9	TRI33_HUMAN	E3 ubiquitin-protein ligase TRIM33 (EC 6.3.2.-) (Ectodermin homolog) (RET-fused	1127	TRIM33	1	1	1	0.8	122.53
Q96LD4	TRI47_HUMAN	Tripartite motif-containing protein 47 (Gene overexpressed in astrocytoma protein)	638	TRIM47	8	8	8	15	69.531
Q9BRZ2	TRI56_HUMAN	E3 ubiquitin-protein ligase TRIM56 (EC 6.3.2.-) (RING finger protein 109) (Tripartite	755	TRIM56	2	2	2	4.1	81.487
O75382	TRIM3_HUMAN	Tripartite motif-containing protein 3 (Brain-expressed RING finger protein) (RING fir	744	TRIM3	3	3	3	4.2	80.829
Q15654	TRIP6_HUMAN	Thyroid receptor-interacting protein 6 (TR-interacting protein 6) (TRIP-6) (Opa-inter	476	TRIP6	10	10	10	33.6	50.287
Q15643	TRIPB_HUMAN	Thyroid receptor-interacting protein 11 (TR-interacting protein 11) (TRIP-11) (Clona	1979	TRIP11	1	1	1	0.8	227.58
Q96Q11	TRNT1_HUMAN	CCA tRNA nucleotidyltransferase 1, mitochondrial (EC 2.7.7.72) (Mitochondrial tRN	434	TRNT1	1	1	1	4.8	50.127
Q9Y606	TRUA_HUMAN	tRNA pseudouridine synthase A, mitochondrial (EC 5.4.99.12) (tRNA pseudouridine	427	PUS1	1	1	1	4.2	47.47
Q16881	TRXR1_HUMAN	Thioredoxin reductase 1, cytoplasmic (TR) (EC 1.8.1.9) (Gene associated with retir	649	TXNRD1	6	6	6	13.1	70.905
Q9NNW7	TRXR2_HUMAN	Thioredoxin reductase 2, mitochondrial (EC 1.8.1.9) (Selenoprotein Z) (SelZ) (TR-b	524	TXNRD2	4	4	3	9	56.506
Q8NHM4	TRY6_HUMAN	Putative trypsin-6 (EC 3.4.21.4) (Serine protease 3 pseudogene 2) (Trypsinogen C)	247	PRSS3P2	1	1	1	8.1	26.537
Q15661	TRYB1_HUMAN	Tryptase alpha/beta-1 (Tryptase-1) (EC 3.4.21.59) (Tryptase I) (Tryptase alpha-1)	275	TPSAB1	10	10	10	33.1	30.515
Q99816	TS101_HUMAN	Tumor susceptibility gene 101 protein (ESCRT-I complex subunit TSG101)	390	TSG101	5	5	5	14.4	43.944
Q15631	TSN_HUMAN	Translin (EC 3.1.-.) (Component 3 of promoter of RISC) (C3PO)	228	TSN	6	6	6	35.5	26.183
Q12999	TSN31_HUMAN	Tetraspanin-31 (Tspan-31) (Sarcoma-amplified sequence)	210	TSPAN31	1	1	1	3.3	23.053
P41732	TSN7_HUMAN	Tetraspanin-7 (Tspan-7) (Cell surface glycoprotein A15) (Membrane component ch	249	TSPAN7	1	1	1	2.8	27.574
P19075	TSN8_HUMAN	Tetraspanin-8 (Tspan-8) (Transmembrane 4 superfamily member 3) (Tumor-associ	237	TSPAN8	2	2	2	9.3	26.044
Q99598	TSNAX_HUMAN	Translin-associated protein X (Translin-associated factor X)	290	TSNAX	4	4	4	16.2	33.112

P07996	TSP1_HUMAN	Thrombospondin-1	1170 THBS1	24	24	24	24.9	129.38
P49746	TSP3_HUMAN	Thrombospondin-3	956 THBS3	5	4	4	5.4	104.2
P35443	TSP4_HUMAN	Thrombospondin-4	961 THBS4	10	10	9	15.4	105.87
P30536	TSPO_HUMAN	Translocator protein (Mitochondrial benzodiazepine receptor) (PKBS) (Peripheral-t	169 TSPO	2	2	2	9.5	18.828
Q8NFU3	TSTD1_HUMAN	Thiosulfate sulfurtransferase/rhodanese-like domain-containing protein 1	115 TSTD1	2	2	2	19.1	12.53
Q86VY4	TSYL5_HUMAN	Testis-specific Y-encoded-like protein 5 (TSPY-like protein 5)	417 TSPYL5	1	1	1	2.6	45.143
Q99614	TTC1_HUMAN	Tetratricopeptide repeat protein 1 (TPR repeat protein 1)	292 TTC1	4	4	4	13.7	33.526
Q6PGP7	TTC37_HUMAN	Tetratricopeptide repeat protein 37 (TPR repeat protein 37) (SKI3 homolog) (Ski3) (	1564 TTC37	2	2	2	1.4	175.48
Q5R314	TTC38_HUMAN	Tetratricopeptide repeat protein 38 (TPR repeat protein 38)	469 TTC38	1	1	1	3.4	52.787
O95801	TTC4_HUMAN	Tetratricopeptide repeat protein 4 (TPR repeat protein 4)	387 TTC4	1	1	1	2.3	44.678
Q8N5M4	TTC9C_HUMAN	Tetratricopeptide repeat protein 9C (TPR repeat protein 9C)	171 TTC9C	1	1	1	8.8	20.012
P02766	TTHY_HUMAN	Transthyretin (ATTR) (Prealbumin) (TBPA)	147 TTR	7	7	7	64.6	15.887
Q14166	TTL12_HUMAN	Tubulin-tyrosine ligase-like protein 12	644 TTL12	2	2	2	5.3	74.403
Q8IXB3	TUSC5_HUMAN	Tumor suppressor candidate 5 (Dispanin subfamily B member 1) (DSPB1) (Interfer	177 TUSC5	2	2	2	16.9	19.254
Q9NYZ1	TV23B_HUMAN	Golgi apparatus membrane protein TVP23 homolog B	205 TVP23B	1	1	1	3.9	23.576
Q12792	TWF1_HUMAN	Twinfilin-1 (Protein A6) (Protein tyrosine kinase 9)	350 TWF1	3	3	3	11.4	40.282
Q6IBS0	TWF2_HUMAN	Twinfilin-2 (A6-related protein) (hA6RP) (Protein tyrosine kinase 9-like) (Twinfilin-1-	349 TWF2	7	7	7	31.2	39.548
O14907	TX1B3_HUMAN	Tax1-binding protein 3 (Glutaminase-interacting protein 3) (Tax interaction protein 1	124 TAX1BP3	1	1	1	13.7	13.735
O95881	TXD12_HUMAN	Thioredoxin domain-containing protein 12 (EC 1.8.4.2) (Endoplasmic reticulum resi	172 TXNDC12	1	1	1	8.7	19.206
Q9BRA2	TXD17_HUMAN	Thioredoxin domain-containing protein 17 (14 kDa thioredoxin-related protein) (TRF	123 TXNDC17	3	3	3	29.3	13.941
P40222	TXLNA_HUMAN	Alpha-taxilin	546 TXLNA	4	4	4	10.1	61.89
Q8NBS9	TXND5_HUMAN	Thioredoxin domain-containing protein 5 (Endoplasmic reticulum resident protein 4t	432 TXNDC5	11	11	11	32.2	47.628
O43396	TXNL1_HUMAN	Thioredoxin-like protein 1 (32 kDa thioredoxin-related protein)	289 TXNL1	6	6	6	35.3	32.251
P53007	TXTP_HUMAN	Tricarboxylate transport protein, mitochondrial (Citrate transport protein) (CTP) (Sol	311 SLC25A1	6	6	6	18.3	34.012
P07101	TY3H_HUMAN	Tyrosine 3-monooxygenase (EC 1.14.16.2) (Tyrosine 3-hydroxylase) (TH)	528 TH	3	3	3	6.8	58.599
P19971	TYPH_HUMAN	Thymidine phosphorylase (TP) (EC 2.4.2.4) (Gliostatin) (Platelet-derived endotheli	482 TYMP	8	8	8	20.5	49.955
O15391	YY2_HUMAN	Transcription factor YY2 (Yin and yang 2) (YY-2) (Zinc finger protein 631)	372 YY2	1	1	1	2.4	41.347
Q01081	U2AF1_HUMAN	Splicing factor U2AF 35 kDa subunit (U2 auxiliary factor 35 kDa subunit) (U2 small	240 U2AF1	4	4	4	16.7	27.872
P26368	U2AF2_HUMAN	Splicing factor U2AF 65 kDa subunit (U2 auxiliary factor 65 kDa subunit) (hU2AF6)	475 U2AF2	5	5	5	9.7	53.5
O75643	U520_HUMAN	U5 small nuclear ribonucleoprotein 200 kDa helicase (EC 3.6.4.13) (Activating sign	2136 SNRNP200	20	20	20	11.4	244.5
Q15029	U5S1_HUMAN	116 kDa U5 small nuclear ribonucleoprotein component (Elongation factor Tu GTP-	972 EFTUD2	15	14	14	20.9	109.43
Q9BZF9	UACA_HUMAN	Uveal autoantigen with coiled-coil domains and ankyrin repeats	1416 UACA	11	11	11	7.8	162.5
Q16222	UAP1_HUMAN	UDP-N-acetylhexosamine pyrophosphorylase (Antigen X) (AGX) (Sperm-associate	522 UAP1	3	3	3	8.6	58.768
P62837	UB2D2_HUMAN	Ubiquitin-conjugating enzyme E2 D2 (EC 2.3.2.23) ((E3-independent) E2 ubiquitin-	147 UBE2D2	1	1	1	16.3	16.735
P60604	UB2G2_HUMAN	Ubiquitin-conjugating enzyme E2 G2 (EC 2.3.2.23) (E2 ubiquitin-conjugating enzym	165 UBE2G2	1	1	1	4.8	18.566
P68036	UB2L3_HUMAN	Ubiquitin-conjugating enzyme E2 L3 (EC 2.3.2.23) (E2 ubiquitin-conjugating enzym	154 UBE2L3	5	5	5	31.8	17.861
O14933	UB2L6_HUMAN	Ubiquitin/ISG15-conjugating enzyme E2 L6 (EC 2.3.2.23) (E2 ubiquitin-conjugating	153 UBE2L6	2	2	2	26.8	17.769
Q13404	UB2V1_HUMAN	Ubiquitin-conjugating enzyme E2 variant 1 (UEV-1) (CROC-1) (TRAF6-regulated Ik	147 UBE2V1	3	3	2	21.1	16.495
Q15819	UB2V2_HUMAN	Ubiquitin-conjugating enzyme E2 variant 2 (DDVit 1) (Enterocyte differentiation-ass	145 UBE2V2	3	2	2	17.9	16.363
P22314	UBA1_HUMAN	Ubiquitin-like modifier-activating enzyme 1 (EC 6.2.1.45) (Protein A1S9) (Ubiquitin-	1058 UBA1	32	32	32	38.8	117.85
Q8TBC4	UBA3_HUMAN	NEDD8-activating enzyme E1 catalytic subunit (EC 6.3.2.-) (NEDD8-activating enz	463 UBA3	5	5	5	12.5	51.852
Q9GZZ9	UBA5_HUMAN	Ubiquitin-like modifier-activating enzyme 5 (Ubiquitin-activating enzyme 5) (ThiFP1	404 UBA5	1	1	1	2.2	44.863
A0AVT1	UBA6_HUMAN	Ubiquitin-like modifier-activating enzyme 6 (Ubiquitin-activating enzyme 6) (EC 6.2.	1052 UBA6	11	11	11	11.3	117.97
P41226	UBA7_HUMAN	Ubiquitin-like modifier-activating enzyme 7 (Ubiquitin-activating enzyme 7) (D8) (U	1012 UBA7	5	5	5	6.3	111.69
Q9BSL1	UBAC1_HUMAN	Ubiquitin-associated domain-containing protein 1 (UBA domain-containing protein 1	405 UBAC1	1	1	1	2.2	45.338
P61081	UBC12_HUMAN	NEDD8-conjugating enzyme Ubc12 (EC 6.3.2.-) (NEDD8 carrier protein) (NEDD8 c	183 UBE2M	7	7	7	38.3	20.9
P63279	UBC9_HUMAN	SUMO-conjugating enzyme UBC9 (EC 2.3.2.-) (RING-type E3 SUMO transferase L	158 UBE2I	5	5	5	50.6	18.007
Q969M7	UBE2F_HUMAN	NEDD8-conjugating enzyme UBE2F (EC 2.3.2.-) (NEDD8 carrier protein UBE2F) (I	185 UBE2F	2	2	2	9.7	21.077
P62256	UBE2H_HUMAN	Ubiquitin-conjugating enzyme E2 H (EC 2.3.2.23) ((E3-independent) E2 ubiquitin-c	183 UBE2H	1	1	1	8.2	20.655
P61086	UBE2K_HUMAN	Ubiquitin-conjugating enzyme E2 K (EC 2.3.2.23) (E2 ubiquitin-conjugating enzyme	200 UBE2K	2	2	2	11.5	22.406
P61088	UBE2N_HUMAN	Ubiquitin-conjugating enzyme E2 N (EC 2.3.2.23) (Bendless-like ubiquitin-conjugati	152 UBE2N	7	7	7	52.6	17.138
Q9C0C9	UBE2O_HUMAN	(E3-independent) E2 ubiquitin-conjugating enzyme (EC 2.3.2.24) (E2/E3 hybrid ubi	1292 UBE2O	3	3	3	3.6	141.29

Q9H832	UBE2Z_HUMAN	Ubiquitin-conjugating enzyme E2 Z (EC 2.3.2.23) (E2 ubiquitin-conjugating enzyme	354	UBE2Z	2	2	2	5.4	38.21
Q05086	UBE3A_HUMAN	Ubiquitin-protein ligase E3A (EC 2.3.2.26) (E6AP ubiquitin-protein ligase) (HECT-ty	875	UBE3A	2	2	2	2.2	100.69
Q14139	UBE4A_HUMAN	Ubiquitin conjugation factor E4 A (EC 2.3.2.27) (RING-type E3 ubiquitin transferase	1066	UBE4A	3	3	3	3.3	122.56
P17480	UBF1_HUMAN	Nucleolar transcription factor 1 (Autoantigen NOR-90) (Upstream-binding factor 1) (	764	UBTF	6	6	6	8.6	89.405
O14562	UBFD1_HUMAN	Ubiquitin domain-containing protein UBFD1 (Ubiquitin-binding protein homolog)	309	UBFD1	2	2	2	4.9	33.382
Q14694	UBP10_HUMAN	Ubiquitin carboxyl-terminal hydrolase 10 (EC 3.4.19.12) (Deubiquitinating enzyme 1	798	USP10	2	2	2	2.8	87.133
P54578	UBP14_HUMAN	Ubiquitin carboxyl-terminal hydrolase 14 (EC 3.4.19.12) (Deubiquitinating enzyme 1	494	USP14	11	11	11	24.3	56.068
Q9Y4E8	UBP15_HUMAN	Ubiquitin carboxyl-terminal hydrolase 15 (EC 3.4.19.12) (Deubiquitinating enzyme 1	981	USP15	4	4	4	4.3	112.42
Q9UPU5	UBP24_HUMAN	Ubiquitin carboxyl-terminal hydrolase 24 (EC 3.4.19.12) (Deubiquitinating enzyme 2	2620	USP24	1	1	1	0.4	294.36
Q14157	UBP2L_HUMAN	Ubiquitin-associated protein 2-like (Protein NICE-4)	1087	UBAP2L	4	4	4	4.5	114.53
Q13107	UBP4_HUMAN	Ubiquitin carboxyl-terminal hydrolase 4 (EC 3.4.19.12) (Deubiquitinating enzyme 4)	963	USP4	1	1	1	0.9	108.56
Q96K76	UBP47_HUMAN	Ubiquitin carboxyl-terminal hydrolase 47 (EC 3.4.19.12) (Deubiquitinating enzyme 4	1375	USP47	5	5	5	4.5	157.31
P45974	UBP5_HUMAN	Ubiquitin carboxyl-terminal hydrolase 5 (EC 3.4.19.12) (Deubiquitinating enzyme 5)	858	USP5	17	17	17	24.9	95.785
Q93009	UBP7_HUMAN	Ubiquitin carboxyl-terminal hydrolase 7 (EC 3.4.19.12) (Deubiquitinating enzyme 7)	1102	USP7	15	15	15	17.8	128.3
Q9UHD9	UBQL2_HUMAN	Ubiquilin-2 (Chap1) (DSK2 homolog) (Protein linking IAP with cytoskeleton 2) (PLIC	624	UBQLN2	5	5	5	12	65.695
Q8IWW7	UBR1_HUMAN	E3 ubiquitin-protein ligase UBR1 (EC 2.3.2.27) (N-recognin-1) (RING-type E3 ubiq	1749	UBR1	2	2	2	2	200.21
Q5T4S7	UBR4_HUMAN	E3 ubiquitin-protein ligase UBR4 (EC 2.3.2.27) (600 kDa retinoblastoma protein-as	5183	UBR4	7	7	7	1.7	573.83
Q8N806	UBR7_HUMAN	Putative E3 ubiquitin-protein ligase UBR7 (EC 2.3.2.27) (N-recognin-7) (RING-type	425	UBR7	1	1	1	3.1	47.998
Q04323	UBXN1_HUMAN	UBX domain-containing protein 1 (SAPK substrate protein 1) (UBA/UBX 33.3 kDa f	297	UBXN1	5	5	5	25.6	33.325
Q92575	UBXN4_HUMAN	UBX domain-containing protein 4 (Erasin) (UBX domain-containing protein 2)	508	UBXN4	4	4	4	10.2	56.777
Q9BZV1	UBXN6_HUMAN	UBX domain-containing protein 6 (UBX domain-containing protein 1)	441	UBXN6	5	5	5	19.3	49.753
P09936	UCHL1_HUMAN	Ubiquitin carboxyl-terminal hydrolase isozyme L1 (UCH-L1) (EC 3.4.19.12) (EC 6.-	223	UCHL1	8	8	8	43	24.824
P15374	UCHL3_HUMAN	Ubiquitin carboxyl-terminal hydrolase isozyme L3 (UCH-L3) (EC 3.4.19.12) (Ubiquit	230	UCHL3	2	2	2	12.6	26.182
Q9Y5K5	UCHL5_HUMAN	Ubiquitin carboxyl-terminal hydrolase isozyme L5 (UCH-L5) (EC 3.4.19.12) (Ubiquit	329	UCHL5	1	1	1	4.3	37.606
P25874	UCP1_HUMAN	Mitochondrial brown fat uncoupling protein 1 (UCP 1) (Solute carrier family 25 mem	307	UCP1	7	7	7	26.4	33.004
P47985	UCRI_HUMAN	Cytochrome b-c1 complex subunit Rieske, mitochondrial (EC 1.10.2.2) (Complex II	274	UQCRFS1	7	7	7	24.8	29.668
Q9Y3C8	UFC1_HUMAN	Ubiquitin-fold modifier-conjugating enzyme 1 (Ufm1-conjugating enzyme 1)	167	UFC1	5	5	5	25.7	19.458
Q92890	UFD1_HUMAN	Ubiquitin fusion degradation protein 1 homolog (UB fusion protein 1)	307	UFD1L	2	2	2	5.9	34.5
Q94874	UFL1_HUMAN	E3 UFM1-protein ligase 1 (EC 6.3.2.-) (Novel LZAP-binding protein) (Regulator of C	794	UFL1	15	15	15	23.4	89.594
P61960	UFM1_HUMAN	Ubiquitin-fold modifier 1	85	UFM1	1	1	1	17.6	9.1175
Q9NUQ7	UFSP2_HUMAN	Ufm1-specific protease 2 (UfSP2) (EC 3.4.22.-)	469	UFSP2	1	1	1	3.4	53.261
O60701	UGDH_HUMAN	UDP-glucose 6-dehydrogenase (UDP-Glc dehydrogenase) (UDP-GlcDH) (UDPGD	494	UGDH	12	12	12	30	55.023
Q9NYU2	UGGG1_HUMAN	UDP-glucose:glycoprotein glucosyltransferase 1 (UGT1) (hUGT1) (EC 2.4.1.-) (UD	1555	UGGT1	13	13	13	11.6	177.19
Q16851	UGPA_HUMAN	UTP--glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) (UDP-glucose pyrophos	508	UGP2	20	20	20	44.7	56.94
P52758	UK114_HUMAN	Ribonuclease UK114 (EC 3.1.-.-) (14.5 kDa translational inhibitor protein) (p14.5) (f	137	HRSP12	3	3	3	32.1	14.494
Q13564	ULA1_HUMAN	NEDD8-activating enzyme E1 regulatory subunit (Amyloid beta precursor protein-b	534	NAE1	6	6	6	16.5	60.246
Q9H3U1	UN45A_HUMAN	Protein unc-45 homolog A (Unc-45A) (GCUNC-45) (Smooth muscle cell-associated	944	UNC45A	8	8	8	9.9	103.08
Q9NVA1	UQCC1_HUMAN	Ubiquinol-cytochrome-c reductase complex assembly factor 1 (Basic FGF-represse	299	UQCC1	2	2	2	6	34.6
Q9BRT2	UQCC2_HUMAN	Ubiquinol-cytochrome-c reductase complex assembly factor 2 (Breast cancer-assoc	126	UQCC2	1	1	1	10.3	14.875
Q6UW78	UQCC3_HUMAN	Ubiquinol-cytochrome-c reductase complex assembly factor 3 (Assembly factor CB	93	UQCC3	1	1	1	23.7	10.081
Q9BTM9	URM1_HUMAN	Ubiquitin-related modifier 1	101	URM1	1	1	1	12.9	11.38
Q86UX7	URP2_HUMAN	Fermitin family homolog 3 (Kindlin-3) (MIG2-like protein) (Unc-112-related protein 2	667	FERMT3	10	10	10	18.9	75.952
Q96IX5	USMG5_HUMAN	Up-regulated during skeletal muscle growth protein 5 (Diabetes-associated protein	58	USMG5	1	1	1	25.9	6.4575
O60763	USO1_HUMAN	General vesicular transport factor p115 (Protein USO1 homolog) (Transcytosis-ass	962	USO1	15	15	15	18.7	107.89
Q93008	USP9X_HUMAN	Probable ubiquitin carboxyl-terminal hydrolase FAF-X (EC 3.4.19.12) (Deubiquitina	2570	USP9X	19	19	19	9.1	292.28
P46939	UTRO_HUMAN	Utrophin (Dystrophin-related protein 1) (DRP-1)	3433	UTRN	80	80	77	26.4	394.46
O95399	UTS2_HUMAN	Urotensin-2 (Urotensin II) (U-II) (UII)	124	UTS2	1	1	1	6.5	14.295
P61421	VAOD1_HUMAN	V-type proton ATPase subunit d 1 (V-ATPase subunit d 1) (32 kDa accessory prote	351	ATP6V0D1	5	5	5	16.5	40.329
Q08AM6	VAC14_HUMAN	Protein VAC14 homolog (Tax1-binding protein 2)	782	VAC14	2	2	2	3.3	87.972
Q15836	VAMP3_HUMAN	Vesicle-associated membrane protein 3 (VAMP-3) (Cellubrevin) (CEB) (Synaptobre	100	VAMP3	4	4	4	41	11.309
Q9BV40	VAMP8_HUMAN	Vesicle-associated membrane protein 8 (VAMP-8) (Endobrevin) (EDB)	100	VAMP8	2	2	2	18	11.438
Q9P0L0	VAPA_HUMAN	Vesicle-associated membrane protein-associated protein A (VAMP-A) (VAMP-assc	249	VAPA	12	12	10	45.4	27.893

O95292	VAPB_HUMAN	Vesicle-associated membrane protein-associated protein B/C (VAMP-B/VAMP-C) (	243 VAPB	9	8	8	44	27.228
Q6EMK4	VASN_HUMAN	Vasorin (Protein slit-like 2)	673 VASN	1	1	1	2.4	71.712
P50552	VASP_HUMAN	Vasodilator-stimulated phosphoprotein (VASP)	380 VASP	10	10	10	32.6	39.829
Q99536	VAT1_HUMAN	Synaptic vesicle membrane protein VAT-1 homolog (EC 1.-.-.)	393 VAT1	9	9	8	35.1	41.92
Q9HCJ6	VAT1L_HUMAN	Synaptic vesicle membrane protein VAT-1 homolog-like (EC 1.-.-.)	419 VAT1L	3	3	3	13.8	45.899
P38606	VATA_HUMAN	V-type proton ATPase catalytic subunit A (V-ATPase subunit A) (EC 3.6.3.14) (V-A	617 ATP6V1A	15	15	15	29.2	68.303
P21281	VATB2_HUMAN	V-type proton ATPase subunit B, brain isoform (V-ATPase subunit B 2) (Endomem	511 ATP6V1B2	7	7	7	20.4	56.5
P21283	VATC1_HUMAN	V-type proton ATPase subunit C 1 (V-ATPase subunit C 1) (Vacuolar proton pump	382 ATP6V1C1	5	5	5	12.3	43.941
Q9Y5K8	VATD_HUMAN	V-type proton ATPase subunit D (V-ATPase subunit D) (V-ATPase 28 kDa accessc	247 ATP6V1D	3	3	3	12.1	28.262
P36543	VATE1_HUMAN	V-type proton ATPase subunit E 1 (V-ATPase subunit E 1) (V-ATPase 31 kDa sub	226 ATP6V1E1	3	3	3	14.2	26.145
Q16864	VATF_HUMAN	V-type proton ATPase subunit F (V-ATPase subunit F) (V-ATPase 14 kDa subunit)	119 ATP6V1F	3	3	3	24.4	13.37
O75348	VATG1_HUMAN	V-type proton ATPase subunit G 1 (V-ATPase subunit G 1) (V-ATPase 13 kDa sub	118 ATP6V1G1	4	4	4	36.4	13.757
Q9UI12	VATH_HUMAN	V-type proton ATPase subunit H (V-ATPase subunit H) (Nef-binding protein 1) (NB	483 ATP6V1H	3	3	3	10.6	55.882
P19320	VCAM1_HUMAN	Vascular cell adhesion protein 1 (V-CAM 1) (VCAM-1) (INCAM-100) (CD antigen C	739 VCAM1	5	5	5	7.3	81.275
P21796	VDAC1_HUMAN	Voltage-dependent anion-selective channel protein 1 (VDAC-1) (hVDAC1) (Outer n	283 VDAC1	15	15	15	68.2	30.772
P45880	VDAC2_HUMAN	Voltage-dependent anion-selective channel protein 2 (VDAC-2) (hVDAC2) (Outer n	294 VDAC2	14	14	14	61.6	31.566
Q9Y277	VDAC3_HUMAN	Voltage-dependent anion-selective channel protein 3 (VDAC-3) (hVDAC3) (Outer n	283 VDAC3	8	8	8	36.4	30.658
P17948	VEGFR1_HUMAN	Vascular endothelial growth factor receptor 1 (VEGFR-1) (EC 2.7.10.1) (Fms-like ty	1338 FLT1	1	1	1	0.8	150.77
Q00341	VIGLN_HUMAN	Vigilin (High density lipoprotein-binding protein) (HDL-binding protein)	1268 HDLBP	16	16	16	14.1	141.45
P08670	VIME_HUMAN	Vimentin	466 VIM	51	51	42	81.5	53.651
P18206	VINC_HUMAN	Vinculin (Metavinculin) (MV)	1134 VCL	77	77	77	67.8	123.8
O60504	VINEX_HUMAN	Vinexin (SH3-containing adapter molecule 1) (SCAM-1) (Sorbin and SH3 domain-c	671 SORBS3	14	14	14	23.7	75.34
Q9BQB6	VKOR1_HUMAN	Vitamin K epoxide reductase complex subunit 1 (EC 1.17.4.4) (Vitamin K1 2,3-epox	163 VKORC1	2	2	2	12.3	18.234
Q8N0U8	VKORL_HUMAN	Vitamin K epoxide reductase complex subunit 1-like protein 1 (VKORC1-like protei	176 VKORC1L1	1	1	1	4.5	19.835
Q00534	VMA5A_HUMAN	von Willebrand factor A domain-containing protein 5A (Breast cancer suppressor ca	786 VWA5A	2	2	2	4.1	86.488
Q709C8	VP13C_HUMAN	Vacuolar protein sorting-associated protein 13C	3753 VPS13C	17	17	16	5.5	422.39
O75436	VP26A_HUMAN	Vacuolar protein sorting-associated protein 26A (Vesicle protein sorting 26A) (hVP	327 VPS26A	9	9	8	23.9	38.169
Q4G0F5	VP26B_HUMAN	Vacuolar protein sorting-associated protein 26B (Vesicle protein sorting 26B)	336 VPS26B	2	1	1	6	39.154
Q96AX1	VP33A_HUMAN	Vacuolar protein sorting-associated protein 33A (hVPS33A)	596 VPS33A	2	2	2	4.4	67.61
Q9H267	VP33B_HUMAN	Vacuolar protein sorting-associated protein 33B (hVPS33B)	617 VPS33B	1	1	1	1.9	70.584
Q93050	VPP1_HUMAN	V-type proton ATPase 116 kDa subunit a isoform 1 (V-ATPase 116 kDa isoform a1	837 ATP6V0A1	3	3	3	4.4	96.412
Q9H270	VPS11_HUMAN	Vacuolar protein sorting-associated protein 11 homolog (hVPS11) (RING finger pro	941 VPS11	2	2	2	1.6	107.84
Q9H269	VPS16_HUMAN	Vacuolar protein sorting-associated protein 16 homolog (hVPS16)	839 VPS16	3	3	3	5.8	94.693
Q9P253	VPS18_HUMAN	Vacuolar protein sorting-associated protein 18 homolog (hVPS18)	973 VPS18	1	1	1	1.2	110.18
Q9BRG1	VPS25_HUMAN	Vacuolar protein-sorting-associated protein 25 (hVps25) (Dermal papilla-derived pr	176 VPS25	5	5	5	20.5	20.747
Q9UBQ0	VPS29_HUMAN	Vacuolar protein sorting-associated protein 29 (hVPS29) (PEP11 homolog) (Vesick	182 VPS29	6	6	6	29.7	20.505
Q96QK1	VPS35_HUMAN	Vacuolar protein sorting-associated protein 35 (hVPS35) (Maternal-embryonic 3) (V	796 VPS35	17	17	17	26.4	91.706
Q86VN1	VPS36_HUMAN	Vacuolar protein-sorting-associated protein 36 (ELL-associated protein of 45 kDa) (	386 VPS36	2	2	2	4.4	43.816
Q96JC1	VPS39_HUMAN	Vam6/Vps39-like protein (TRAP1-like protein) (hVam6p)	886 VPS39	2	2	2	2.8	101.81
Q9NRW7	VPS45_HUMAN	Vacuolar protein sorting-associated protein 45 (h-VPS45) (hVps45)	570 VPS45	4	4	4	7.2	65.076
Q9UN37	VPS4A_HUMAN	Vacuolar protein sorting-associated protein 4A (EC 3.6.4.6) (Protein SKD2) (VPS4-	437 VPS4A	4	4	2	8.7	48.897
O75351	VPS4B_HUMAN	Vacuolar protein sorting-associated protein 4B (EC 3.6.4.6) (Cell migration-inducin	444 VPS4B	3	1	1	7.7	49.301
Q96JG6	VPS50_HUMAN	Syndetin (Coiled-coil domain-containing protein 132) (EARP/GARPII complex subu	964 VPS50	1	1	1	1.5	111.17
Q9UID3	VPS51_HUMAN	Vacuolar protein sorting-associated protein 51 homolog (Another new gene 2 prote	782 VPS51	1	1	1	1.5	86.041
Q5VIR6	VPS53_HUMAN	Vacuolar protein sorting-associated protein 53 homolog	699 VPS53	2	2	2	4.7	79.652
Q8N3P4	VPS8_HUMAN	Vacuolar protein sorting-associated protein 8 homolog	1428 VPS8	1	1	1	0.8	161.75
Q9Y279	VSIG4_HUMAN	V-set and immunoglobulin domain-containing protein 4 (Protein Z39lg)	399 VSIG4	2	2	2	9.5	43.987
Q9NP79	VTA1_HUMAN	Vacuolar protein sorting-associated protein VTA1 homolog (Dopamine-responsive	307 VTA1	4	4	4	19.5	33.879
P02774	VTDB_HUMAN	Vitamin D-binding protein (DBP) (VDB) (Gc protein-derived macrophage activating	474 GC	30	30	30	62	52.963
Q9UEU0	VTI1B_HUMAN	Vesicle transport through interaction with t-SNAREs homolog 1B (Vesicle transport	232 VTI1B	1	1	1	5.2	26.688
P04004	VTNC_HUMAN	Vitronectin (VN) (S-protein) (Serum-spreading factor) (V75) [Cleaved into: Vitrone	478 VTN	11	11	11	29.1	54.305
Q6PCB0	VWA1_HUMAN	von Willebrand factor A domain-containing protein 1	445 VWA1	9	9	9	22.7	46.804

A3KMHI	VWA8_HUMAN	von Willebrand factor A domain-containing protein 8	1905 VWA8	3	3	3	1.7	214.82
P04275	VWF_HUMAN	von Willebrand factor (vWF) [Cleaved into: von Willebrand antigen 2 (von Willebran	2813 VWF	71	71	71	33.3	309.26
Q7Z5K2	WAPL_HUMAN	Wings apart-like protein homolog (Friend of EBNA2 protein) (WAPL cohesin releas	1190 WAPL	1	1	1	1.1	132.94
Q9Y6W5	WASF2_HUMAN	Wiskott-Aldrich syndrome protein family member 2 (WASP family protein member 2	498 WASF2	5	5	5	13.5	54.283
C4AMC7	WASH3_HUMAN	Putative WAS protein family homolog 3 (Protein FAM39DP)	463 WASH3P	3	3	3	7.8	49.994
Q2M389	WASH7_HUMAN	WASH complex subunit SWIP (Strumpellin and WASH-interacting protein) (SWIP)	1173 KIAA1033	3	3	3	2.2	136.4
P42768	WASP_HUMAN	Wiskott-Aldrich syndrome protein (WASp)	502 WAS	1	1	1	3.2	52.912
Q9Y2W2	WBP11_HUMAN	WW domain-binding protein 11 (WBP-11) (Npw38-binding protein) (NpwBP) (SH3 c	641 WBP11	1	1	1	1.9	69.997
Q8IWB7	WDFY1_HUMAN	WD repeat and FYVE domain-containing protein 1 (FENS-1) (Phosphoinositide-bin	410 WDFY1	3	3	3	7.6	46.323
O75083	WDR1_HUMAN	WD repeat-containing protein 1 (Actin-interacting protein 1) (AIP1) (NORI-1)	606 WDR1	21	21	21	42.1	66.193
Q9BZH6	WDR11_HUMAN	WD repeat-containing protein 11 (Bromodomain and WD repeat-containing protein	1224 WDR11	1	1	1	0.7	136.68
Q9BV38	WDR18_HUMAN	WD repeat-containing protein 18	432 WDR18	2	2	2	4.4	47.405
Q9Y2I8	WDR37_HUMAN	WD repeat-containing protein 37	494 WDR37	2	2	2	4.9	54.665
Q5JSH3	WDR44_HUMAN	WD repeat-containing protein 44 (Rabphilin-11)	913 WDR44	8	8	8	12.6	101.37
P61964	WDR5_HUMAN	WD repeat-containing protein 5 (BMP2-induced 3-kb gene protein)	334 WDR5	3	3	3	12.6	36.588
Q9GZS3	WDR61_HUMAN	WD repeat-containing protein 61 (Meiotic recombination REC14 protein homolog) (	305 WDR61	1	1	1	5.6	33.58
Q562E7	WDR81_HUMAN	WD repeat-containing protein 81	1941 WDR81	2	2	2	2	211.69
A4D1P6	WDR91_HUMAN	WD repeat-containing protein 91	747 WDR91	2	2	2	4.3	83.343
O76024	WFS1_HUMAN	Wolframin	890 WFS1	3	3	3	3.7	100.29
Q9Y4P8	WIPI2_HUMAN	WD repeat domain phosphoinositide-interacting protein 2 (WIPI-2) (WIPI49-like pro	454 WIPI2	1	1	1	3.5	49.408
O76076	WISP2_HUMAN	WNT1-inducible-signaling pathway protein 2 (WISP-2) (CCN family member 5) (Co	250 WISP2	2	2	2	6.8	26.825
Q5T9L3	WLS_HUMAN	Protein wntless homolog (Integral membrane protein GPR177) (Protein evenness ii	541 WLS	2	2	2	3	62.253
Q9H4A3	WNK1_HUMAN	Serine/threonine-protein kinase WNK1 (EC 2.7.11.1) (Erythrocyte 65 kDa protein) (	2382 WNK1	2	2	2	1	250.79
O96014	WNT11_HUMAN	Protein Wnt-11	354 WNT11	1	1	1	3.7	39.179
Q93097	WNT2B_HUMAN	Protein Wnt-2b (Protein Wnt-13)	391 WNT2B	2	2	2	3.6	43.77
P47989	XDH_HUMAN	Xanthine dehydrogenase/oxidase [Includes: Xanthine dehydrogenase (XD) (EC 1.1	1333 XDH	2	1	1	1.3	146.42
Q5T750	XP32_HUMAN	Skin-specific protein 32	250 XP32	2	2	2	10	26.238
Q01831	XPC_HUMAN	DNA repair protein complementing XP-C cells (Xeroderma pigmentosum group C-c	940 XPC	1	1	1	0.7	105.95
O14980	XPO1_HUMAN	Exportin-1 (Exp1) (Chromosome region maintenance 1 protein homolog)	1071 XPO1	12	12	12	13.8	123.38
P55060	XPO2_HUMAN	Exportin-2 (Exp2) (Cellular apoptosis susceptibility protein) (Chromosome segregat	971 CSE1L	10	10	10	12.6	110.42
Q9UIA9	XPO7_HUMAN	Exportin-7 (Exp7) (Ran-binding protein 16)	1087 XPO7	7	7	7	7.9	123.91
Q9NQW7	XPP1_HUMAN	Xaa-Pro aminopeptidase 1 (EC 3.4.11.9) (Aminoacylproline aminopeptidase) (Cyto	623 XPNPEP1	12	12	12	18.1	69.917
P13010	XRCC5_HUMAN	X-ray repair cross-complementing protein 5 (EC 3.6.4.-) (86 kDa subunit of Ku anti	732 XRCC5	18	18	18	25	82.704
P12956	XRCC6_HUMAN	X-ray repair cross-complementing protein 6 (EC 3.6.4.-) (EC 4.2.99.-) (5'-deoxyribo	609 XRCC6	29	29	29	52.7	69.842
Q9H0D6	XRN2_HUMAN	5'-3' exoribonuclease 2 (EC 3.1.13.-) (DHM1-like protein) (DHP protein)	950 XRN2	4	4	4	4.4	108.58
O75695	XRP2_HUMAN	Protein XRP2	350 RP2	1	1	1	2	39.641
P46937	YAP1_HUMAN	Transcriptional coactivator YAP1 (Yes-associated protein 1) (Protein yorkie homolo	504 YAP1	5	5	5	12.1	54.461
P67809	YBOX1_HUMAN	Nuclease-sensitive element-binding protein 1 (CCAAT-binding transcription factor I	324 YBX1	6	4	4	36.1	35.924
P16989	YBOX3_HUMAN	Y-box-binding protein 3 (Cold shock domain-containing protein A) (DNA-binding pro	372 YBX3	4	2	2	14.5	40.089
P07947	YES_HUMAN	Tyrosine-protein kinase Yes (EC 2.7.10.2) (Proto-oncogene c-Yes) (p61-Yes)	543 YES1	4	4	2	8.3	60.801
Q9BSR8	YIPF4_HUMAN	Protein YIPF4 (YIP1 family member 4)	244 YIPF4	1	1	1	3.7	27.082
Q969M3	YIPF5_HUMAN	Protein YIPF5 (Five-pass transmembrane protein localizing in the Golgi apparatus ;	257 YIPF5	1	1	1	4.7	27.989
O15498	YKT6_HUMAN	Synaptobrevin homolog YKT6 (EC 2.3.1.-)	198 YKT6	4	4	4	23.2	22.417
Q7Z739	YTHD3_HUMAN	YTH domain-containing family protein 3	585 YTHDF3	3	3	3	6.2	63.86
P25311	ZA2G_HUMAN	Zinc-alpha-2-glycoprotein (Zn-alpha-2-GP) (Zn-alpha-2-glycoprotein)	298 AZGP1	17	17	17	51	34.258
Q96GY0	ZC21A_HUMAN	Zinc finger C2HC domain-containing protein 1A	325 ZC2HC1A	1	1	1	3.1	35.092
Q9UPT8	ZC3H4_HUMAN	Zinc finger CCCH domain-containing protein 4	1303 ZC3H4	2	1	1	2.1	140.26
P61129	ZC3H6_HUMAN	Zinc finger CCCH domain-containing protein 6	1189 ZC3H6	1	1	1	0.6	131.67
Q8WU90	ZC3HF_HUMAN	Zinc finger CCCH domain-containing protein 15 (DRG family-regulatory protein 1) (	426 ZC3H15	4	4	4	11.5	48.602
Q7Z2W4	ZCCHV_HUMAN	Zinc finger CCCH-type antiviral protein 1 (ADP-ribosyltransferase diphtheria toxin-li	902 ZC3HAV1	5	5	5	6.7	101.43
Q86VM9	ZCH18_HUMAN	Zinc finger CCCH domain-containing protein 18 (Nuclear protein NHN1)	953 ZC3H18	3	3	3	3.4	106.38
P31629	ZEP2_HUMAN	Transcription factor HIVEP2 (Human immunodeficiency virus type I enhancer-bindii	2446 HIVEP2	1	1	1	0.7	269.05

O95159	ZFPL1_HUMAN	Zinc finger protein-like 1 (Zinc finger protein MCG4)	310 ZFPL1	1	1	1	4.5	34.114
Q96KR1	ZFR_HUMAN	Zinc finger RNA-binding protein (hZFR) (M-phase phosphoprotein homolog)	1074 ZFR	4	4	4	4.1	117.01
Q9BQ24	ZFY21_HUMAN	Zinc finger FYVE domain-containing protein 21 (ZF21)	234 ZFYVE21	2	2	2	9.4	26.505
Q96NC0	ZMAT2_HUMAN	Zinc finger matrin-type protein 2	199 ZMAT2	1	1	1	10.1	23.612
O15231	ZN185_HUMAN	Zinc finger protein 185 (LIM domain protein ZNF185) (P1-A)	689 ZNF185	2	2	2	4.4	73.525
O43670	ZN207_HUMAN	BUB3-interacting and GLEBS motif-containing protein ZNF207 (BuGZ) (hBuGZ) (Z	478 ZNF207	2	2	2	5.4	50.75
Q5VUA4	ZN318_HUMAN	Zinc finger protein 318 (Endocrine regulatory protein)	2279 ZNF318	1	1	1	0.6	251.11
Q96ME7	ZN512_HUMAN	Zinc finger protein 512	567 ZNF512	3	3	3	3.7	64.681
Q14966	ZN638_HUMAN	Zinc finger protein 638 (Cutaneous T-cell lymphoma-associated antigen se33-1) (C	1978 ZNF638	3	3	3	1.9	220.62
Q5T619	ZN648_HUMAN	Zinc finger protein 648	568 ZNF648	1	1	1	2.1	62.34
Q9H963	ZN702_HUMAN	Putative zinc finger protein 702	129 ZNF702P	1	1	1	7	15.019
Q0D2J5	ZN763_HUMAN	Zinc finger protein 763	394 ZNF763	1	1	1	2.8	46.099
P17026	ZNF22_HUMAN	Zinc finger protein 22 (Zinc finger protein KOX15) (Zinc finger protein Krox-26)	224 ZNF22	2	2	2	10.7	25.915
Q6ZN08	ZNF66_HUMAN	Putative zinc finger protein 66 (Zinc finger protein 66 pseudogene)	573 ZNF66	1	1	1	1.6	65.873
Q07157	ZO1_HUMAN	Tight junction protein ZO-1 (Tight junction protein 1) (Zona occludens protein 1) (Zc	1748 TJP1	26	26	26	18.5	195.46
Q9UDY2	ZO2_HUMAN	Tight junction protein ZO-2 (Tight junction protein 2) (Zona occludens protein 2) (Zc	1190 TJP2	11	11	11	10.3	133.96
O95218	ZRAB2_HUMAN	Zinc finger Ran-binding domain-containing protein 2 (Zinc finger protein 265) (Zinc	330 ZRANB2	3	3	3	10.3	37.404
O43264	ZW10_HUMAN	Centromere/kinetochore protein zw10 homolog	779 ZW10	2	2	2	3.5	88.828
Q15942	ZYX_HUMAN	Zyxin (Zyxin-2)	572 ZYX	12	12	12	33.6	61.277
O43149	ZZEF1_HUMAN	Zinc finger ZZ-type and EF-hand domain-containing protein 1	2961 ZZEF1	2	2	2	0.8	331.07