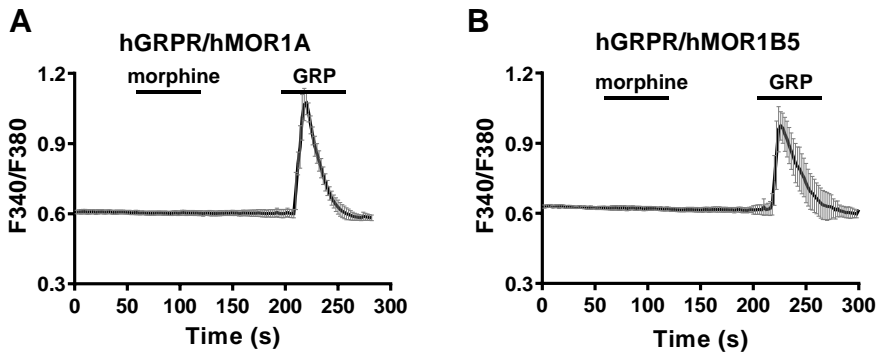


Supplemental Digital Content 1



Supplemental Digital Content 1. hMOR1A and hMOR1B5 do not cross activate hGRPR/ Ca^{2+} signaling pathway. (A) hGRPR-expressing HEK 293 cells transfected with hMOR1A showed calcium responses to GRP (1 nM) but not morphine (1 μM). (B) hGRPR-expressing HEK 293 cells transfected with hMOR1B5 showed calcium responses to GRP (1 nM) but not morphine (1 μM). Data are presented as mean \pm SD. Each experiment was done three times and at least 30 cells were analyzed each time.