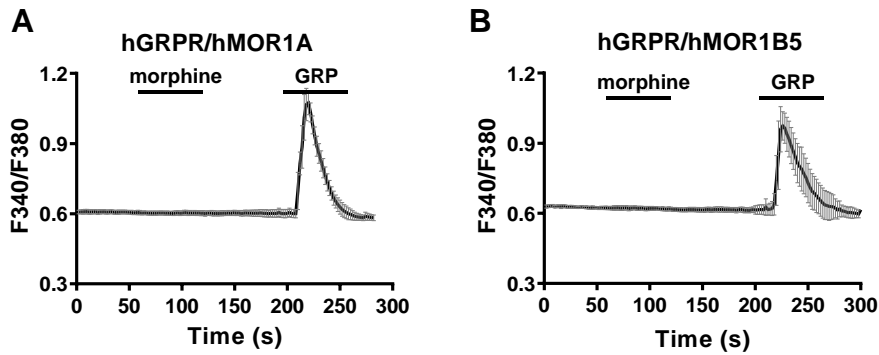


Supplemental Digital Content 1



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 μ M). (B) hGRPR-expressing HEK 293 cells transfected with hMOR1B5 showed calcium responses to GRP (1 nM) but not morphine (1 μ M). Data are presented as mean \pm s.e.m. Each experiment was done three times and at least 30 cells were analyzed each time.