Supplemental Table 1

Expression of mLHR(C22A) in 293T cells results in increased hCG-stimulated cAMP production

	Basal cAMP (pmol/10 ⁶ cells)	hCG-stimulated cAMP (pmol/10 ⁶ cells)	Fold increase in cAMP	¹²⁵ I-hCG bound (ng/10 ⁶ cells)
Expt #1:		7		
293 cells:				
EV	3.96 ± 0.02	3.57 ± 0.19	0.09	0
mLHR(wt)	8.78 ± 0.15	1169 ± 42.0	133	22.0
mLHR(C22A)	3.13 ± 0.11	29.3 ± 1.05	9.36	0.32
293T cells:				
EV	3.46 ± 0.09	3.90 ± 0.13	1.13	0
mLHR(wt)	5.68 ± 0.27	2363 ± 44.4	416	25.2
mLHR(C22A)	4.27 ± 0.04	105 ± 2.10	24.5	0.42
Expt #2:				
293 cells:				
EV	3.95 ± 0.01	4.13 ± 0.04	1.04	0
mLHR(wt)	9.91 ± 0.12	1573 ± 30.7	159	29.3
mLHR(C22A)	5.10 ± 0.18	27.7 ± 0.05	5.44	0
293T cells:				
EV	4.68 ± 0.21	4.97 ± 0.00	1.06	0
mLHR(wt)	7.27 ± 0.06	2747 ± 10.9	378	40.1
mLHR(C22A)	4.71 ± 0.07	113 ± 0.77	23.9	0
Expt #3:				
293 cells:				
EV	5.40 ± 0.04	5.32 ± 0.18	0.99	0
mLHR(wt)	10.2 ± 0.20	1676 ± 5.77	164	26.6
mLHR(C22A)	4.64 ± 0.04	47.0 ± 1.05	10.1	0
293T cells:				
EV	5.13 ± 0.01	4.97 ± 0.21	0.97	0
mLHR(wt)	6.33 ± 0.10	2563 ± 122	405	30.3
mLHR(C22A)	3.69 ± 0.04	83.6 ± 2.10	22.7	0

HEK293 or HEK293T cells were transiently transfected with empty vector (EV) or with vector encoding the indicated mLHR constructs. Within the same experiment, basal and hCG-stimulated cAMP levels were determined as well as cell surface ¹²⁵I-hCG binding. Data shown are from three independent

experiments, which were used for the averaged data shown in Figure *. The cAMP data are the mean \pm SEM of triplicate determinations.