

Inducible GPCR stable cell line library

Inducible overexpressing stable cell lines expressing GPCRs of interest

Summary: 83 GPCRs in human, 12 in mouse, 8 in rats, 1 in mesau/pig/bovine

Origin	GPCR	Host
Human	5HT1A (serotonin 1A receptor)	CHO HEK
	5HT1B (serotonin 1B receptor)	CHO HEK
	5HT1D (serotonin 1D receptor)	CHO HEK
	5HT1E (serotonin 1E receptor)	CHO
	5HT1F (serotonin 1F receptor)	HEK
	5HT2A (5-hydroxytryptamine receptor 2A)	CHO
	5HT2C (5-hydroxytryptamine receptor 5C)	HEK
	5HT5A (5-hydroxytryptamine receptor 5A)	CHO
	5HT4 (5-hydroxytryptamine receptor 4)	CHO
	5HT7 (5-hydroxytryptamine receptor 7)	CHO
	ADRA1A (alpha-1A adrenergic receptor)	CHO
	ADRA1B (alpha-1B adrenergic receptor)	CHO HEK
	ADRA2A (alpha-2A adrenergic receptor)	CHO
	AA1R (Adenosine receptor A1)	CHO HEK
	AA3R (Adenosine receptor A3)	HEK
	AA2AR (Adenosine receptor A2A)	CHO HEK
	AA2BR (Adenosine receptor A2B)	CHO
	ACM1 (muscarinic acetylcholine receptor M1)	CHO
	ACM2 (muscarinic acetylcholine receptor M2)	CHO

	BKRB1 (B1 bradykinin receptor)	CHO
	BKRB2 (B2 bradykinin receptor)	CHO
	CNR1 (Cannabinoid receptor 1)	HEK CHO
	CNR2 (Cannabinoid receptor 2)	CHO
	CCKAR (Cholecystokinin receptor type A)	CHO HEK
	CXCR1 (C-X-C chemokine receptor type 1)	CHO
	CXCR2 (C-X-C chemokine receptor type 2)	CHO
	CXCR3 (C-X-C chemokine receptor type 3)	CHO
	CXCR4 (C-X-C chemokine receptor type 4)	CHO HEK
	CCR2 (C-C chemokine receptor type 2)	CHO
	CCR6 (C-C chemokine receptor type 6)	HEK
	CCR7 (C-C chemokine receptor type 7)	CHO HEK
	DRD1 (Dopamine receptor D1)	CHO HEK
	DRD2 (Dopamine receptor D2)	CHO
	DRD3 (Dopamine receptor D3)	HEK
	SIPR3 (Sphingosine 1-phosphate receptor 3)	CHO HEK
	SIPR2 (Sphingosine 1-phosphate receptor 2)	CHO HEK
	GALR1 (Galanin receptor type 1)	CHO HEK
	GALR3 (Galanin receptor type 3)	CHO
	GASR/CCKBR (Gastrin/Cholecystokinin receptor type B)	CHO
	NK1R (neurokinin receptor 1)	CHO HEK
	NK3R (neurokinin receptor 3)	CHO

NPY4R (neuropeptide Y receptor type 4)	CHO
SSR2 (Somatostatin receptor type 2)	CHO HEK
SSR3 (Somatostatin receptor type 3)	CHO HEK
SSR5 (Somatostatin receptor type 5)	CHO (GFP) HEK (GFP)
GRM7 (Metabotropic glutamate receptor 7)	CHO
CLTR1 (Cysteinyl leukotriene receptor 1)	CHO
FSHR (Follicle-stimulating hormone receptor)	CHO HEK
ACKR1 (Atypical chemokine receptor 1)	CHO
GPR15 (G-protein coupled receptor 15)	CHO HEK
GPR17 (Uracil nucleotide/cysteinyl leukotriene receptor)	CHO
GPR34 (G-protein coupled receptor 34)	CHO HEK
GPR39 (G-protein coupled receptor 39)	CHO
GPR40/FFAR1 (Free fatty acid receptor 1)	CHO
GPR65/PSYR (Psychosine receptor)	CHO
GPR83 (G-protein coupled receptor 83)	CHO HEK
GPR85 (G-protein coupled receptor 85)	HEK
GPR87 (G-protein coupled receptor 87)	CHO
GPR119 (G-protein coupled receptor 119)	CHO
PE2R2 (prostaglandin E2 receptor)	CHO HEK
P2Y10 (Putative P2Y purinoceptor 10)	HEK
P2Y12 (Putative P2Y purinoceptor 12)	CHO HEK
MC4R (Melanocortin receptor 4)	CHO (w and w/o GFP) HEK (w and w/o GFP)

	MC5R (Melanocortin receptor 5)	CHO HEK
	P2RY1 (P2Y purinoceptor 1)	CHO HEK
	PAR1 (Protease activated receptor 1)	CHO (with and without propeptide) HEK
	LPAR1 (Lysophosphatidic acid receptor 1)	CHO
	LPAR2 (Lysophosphatidic acid receptor 2)	CHO
	LPAR3 (Lysophosphatidic acid receptor 3)	CHO HEK
	MT1R (Melatonin receptor 1)	HEK
	HRH1 (histamine H1 receptor)	HEK
	HRH4 (histamine H4 receptor)	CHO
	TSHR (thyrotropin receptor)	CHO (w and w/o GFP) HEK (w and w/o GFP)
	OPRM (Mu-type opioid receptor)	HEK
	OPRK (kappa-type opioid receptor)	CHO
	FZD5 (frizzled receptor 5)	CHO
	VIAR (vasopressin receptor 1A)	CHO HEK
	VIBR (vasopressin receptor 1B)	CHO HEK
	V2R (vasopressin receptor 2)	CHO
	OXYR (oxytocin receptor)	HEK CHO HEK-GFP
	OX2R (orexin receptor)	CHO
	GLR (glutamate receptor)	CHO
	GLP1R (glucagon-like peptide 1 receptor)	CHO HEK
	KISSR (Killer-cell immunoglobulin-like receptor)	HEK
	MTR1A (melatonin receptor 1A)	CHO HEK(YFP)

	MTR1B (melatonin receptor 1B)	CHO
	APJ (apelin receptor)	CHO
	EDNRA (endothelin receptor A)	CHO HEK
	EDNRB (endothelin receptor B)	CHO
Rat	ADA1A (alpha-1A adrenergic receptor)	CHO
	DRD2 (dopamine receptor D2)	CHO
	HRH2 (histamine H2 receptor 1)	CHO
	NK1R (neurokinin receptor 1)	CHO
	NK2R (neurokinin receptor 2)	CHO
	ADA1D (alpha-1D adrenergic receptor)	CHO
	TSHR (thyrotropin receptor)	CHO HEK
Mouse	ACM1 (muscarinic acetylcholine receptor 1)	CHO
	ACM3 (muscarinic acetylcholine receptor 3)	CHO
	OPRK (kappa-type opioid receptor)	CHO
	CNR1 (cannabinoid receptor 1)	CHO
	GPR34 (lysophosphatidylserine receptor)	CHO HEK
	S1PR3 (sphingosine-1-phosphate receptor 3)	CHO HEK
	LPAR2 (Lysophosphatidic acid receptor 2)	CHO HEK (w and w/o GFP)
	LPAR3 (Lysophosphatidic acid receptor 3)	CHO HEK
	LPAR6 (Lysophosphatidic acid receptor 6)	CHO (w and w/o GFP) HEK
	P2Y10 (P2Y purinoceptor 10)	CHO (w and w/o GFP) HEK
	P2YR6 (P2Y purinoceptor 6)	CHO
	OPRM (mu-type opioid receptor)	HEK
	OPRD1 (delta 1 opioid receptor)	CHO

Pig	ACM2 (muscarinic acetylcholine receptor 2)	CHO
Mesau	ADA1B (alpha-1B adrenergic receptor)	CHO
Bovine	EDNRB (endothelin receptor B)	CHO HEK