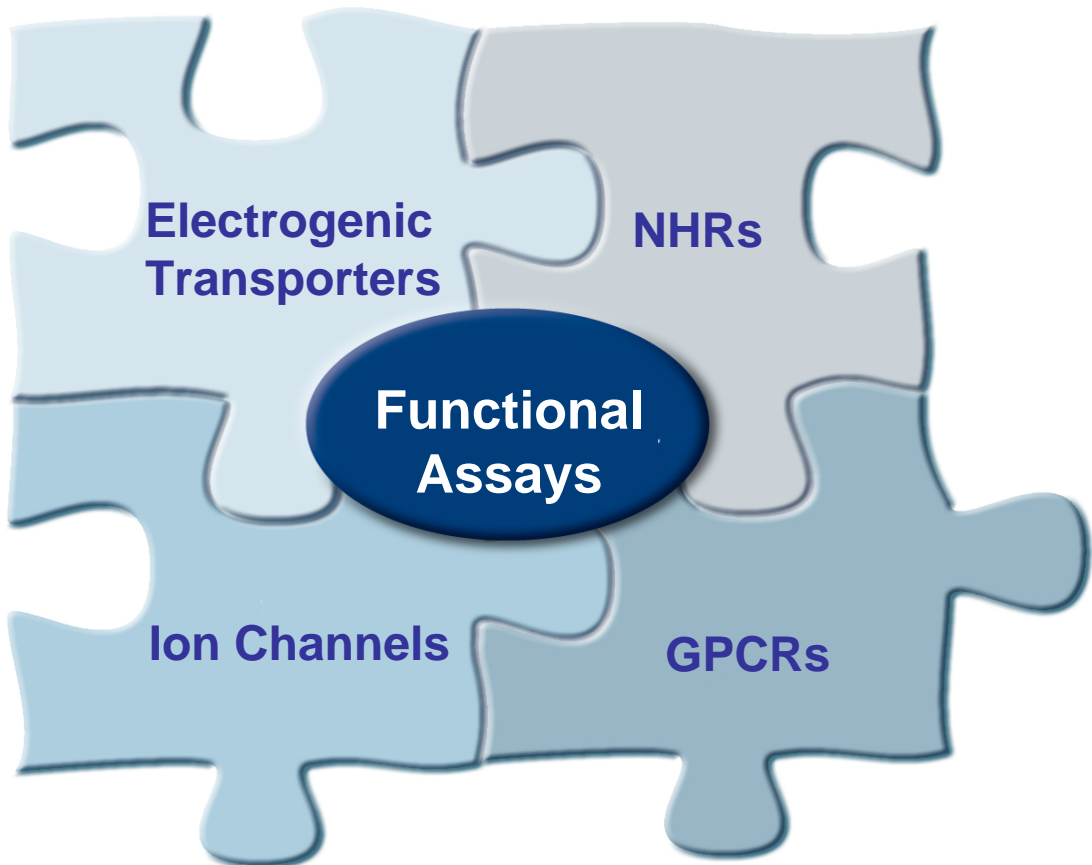


Cell Lines (2010)



Target Class: GPCRs

Sub-family	Symbol	Other Aliases/Designations	GeneID
Adenosine receptors	ADORA1	Adenosine A1 receptor	134
	ADORA2A	Adenosine A2a receptor	135
	ADORA2B	Adenosine A2b receptor	136
Bradykinin receptors	BDKRB1	Bradykinin receptor B1	623
	BDKRB2	Bradykinin receptor B2	624
Complement component receptors	C5aR1	Complement component 5a receptor 1	728
Cannabinoid receptors	CNR1	Cannabinoid receptor 1	1268
	CNR2	Cannabinoid receptor 2	1269
Chemokine (CXC) receptors	CX3CR1	Chemokine (C-X3-C motif) receptor 1	1524
	CXCR1	Interleukin 8 receptor, alpha	3577
	CXCR2	Interleukin 8 receptor, beta	3579
	CXCR3	CXC chemokine receptor 3	2833
Dopamine receptors	DRD1	Dopamine receptor D1	1812
	DRD2	Dopamine receptor D2	1813
	DRD3	Dopamine receptor D3	1814
Leukotriene receptors	CYSLTR1	Cysteinyl leukotriene receptor 1, LTD4	10800
	CYSLTR2	Cysteinyl leukotriene receptor 2	57105
Prostanoid receptors	GPR44	CRTH2, DP2, Prostaglandin D2 receptor	11251
	PTGIR	Prostaglandin I2, prostacyclin receptor, IP	5739
	PTGER1	Prostaglandin E receptor 1 (subtype EP1), 42kDa, EP1	5731
	PTGER2	Prostaglandin E receptor 2 (subtype EP2), 53kDa, EP2	5732
	PTGER3	Prostaglandin E receptor 3 (subtype EP3), EP3	5733
	PTGER4	Prostaglandin E receptor 4 (subtype EP4), EP4	5734

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Target Class: GPCRs

Sub-family	Symbol	Other Aliases/Designations	GeneID
Endothelin receptors	EDNRA	Endothelin receptor type A, ET-A	1909
	EDNRB	Endothelin receptor type B, ETB	1910
Formyl peptide receptors	FPR2	FPRL1, formyl peptide receptor-like 1	2358
GABA receptors	GABA-B	Gamma-aminobutyric acid (GABA) B receptor1 and 2	2550 9568
Galanin receptors	GALR1	Galanin receptor 1	2587
Glucagon receptors	GLP1R	Glucagon-like peptide 1 receptor	2740
	GCGR	Glucagon receptor	2642
Fatty acid receptors	GPR120	G protein-coupled receptor 120-Linolenic acid receptor	338557
	FFAR1	Free fatty acid receptor 1,GPR40	2864
Histamine receptors	HRH3	Histamine receptor H3	11255
Kynurenic acid receptor	GPR35	G protein-coupled receptor 35	2859
Nicotinic acid receptors	NIACR2	HM74, G protein-coupled receptor 109B	8843
	NIACR1	HM74A, G protein-coupled receptor 109A	338442
Succinate receptor	SUCNR1	GPR91, Succinate receptor 1	56670
Glutamate receptors	GRM1	Glutamate receptor metabotropic 1, MGLUR1A	2911
Protease activated receptors	F2RL1	PAR2, Coagulation factor II (thrombin) receptor-like 1	2150
	F2RL3	PAR4, Coagulation factor II (thrombin) receptor-like 3	9002
Purinergic receptors	P2RY11	Purinergic receptor P2Y, G-protein coupled, 11	5032
	P2RY12	Purinergic receptor P2Y, G-protein coupled, 12	64805
	P2RY13	Purinergic receptor P2Y, G-protein coupled, 13	53829
	P2RY2	Purinergic receptor P2Y, G-protein coupled, 2	5029
	P2RY6	Purinergic receptor P2Y, G-protein coupled, 6	5031
Vasopressin receptors	AVPR1A	V1aR, Arginine vasopressin receptor 1A	552
	AVPR2	V2R, Arginine vasopressin receptor 2	554

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Target Class: Ion Channels

Sub-family	Symbol	Other Aliases/Designations	GeneID
Chloride channels	CLCA1	calcium-activated chloride channel protein 1	1179
	GABRA1- GABRB1- GABRG2	Gamma-aminobutyric acid (GABA) A receptor, alpha 1, beta 1, gamma 2	2554 2560 2566
	GLRA1	Glycine receptor, alpha 1	2741
Na ⁺ /Ca ²⁺ exchangers	SLC24A3 (NCKX3)	Solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	57419
	SLC8A1 (NCX1)	Solute carrier family 8 (sodium/calcium exchanger), member 1	6546
Voltage gated K ⁺ channels	KCNH5 (EAG2)	Ether a go-go-related potassium channel 2l	27133
	KCNA5 (Kv1.5)	Potassium voltage-gated channel, shaker-related subfamily, member 5	3741
	KCNB1 (Kv2.1)	Potassium voltage-gated channel, Shab-related subfamily, member 1	3745
Voltage gated Ca ²⁺ channels	CACNA1C (Cav 1.2)	Calcium channel, voltage-dependent, L type, alpha 1C subunit	775
Ca ²⁺ activated K ⁺ channels	KCNN3 (SK3)	Potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3	3782
Ligand gated K ⁺ channels	SUR1/Kir 6.2 ABCC8/KCNJ11	ATP-binding cassette, sub-family C (CFTR/MRP), member 8 potassium inwardly-rectifying channel, subfamily J, member 11	6833 3767
	SUR2A/Kir 6.2 ABCC9/KCNJ11	ATP-binding cassette, sub-family C (CFTR/MRP), member 9 potassium inwardly-rectifying channel, subfamily J, member 11	10060 3767
Ligand gated Ca ²⁺ channels	P2RX2	Purinergic receptor P2X, ligand-gated ion channel, 2	22953
	P2RX2/P2RX3	Heteromeric P2X2/P2X3 receptor	22953 5024
	P2RX3	Purinergic receptor P2X, ligand-gated ion channel, 3	5024
	P2RX7	Purinergic receptor P2X, ligand-gated ion channel, 7	5027
Transient receptor potential channels	TRPC7	Transient receptor potential cation channel, subfamily C, member 7	57113
	TRPM2	Transient receptor potential cation channel, subfamily M, member 2	7226
	TRPM5	Transient receptor potential cation channel, subfamily M, member 5	29850
	TRPM8	Transient receptor potential cation channel, subfamily M, member 8	79054
	TRPV1	Transient receptor potential cation channel, subfamily V, member 1	7442

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Target Class: Nuclear Hormone Receptors

Sub-family	Symbol	Other Aliases/Designations	GeneID
	NR5A2	CPF, CYP7A promoter binding factor	2494
	ESR1	ER-alpha, Estrogen receptor 1	2099
	ESR2	ER-beta, Estrogen receptor 2	2100
	NR1H4	FXR, Nuclear receptor subfamily 1, group H, member 4	9971
	NR3C1	GR, Glucocorticoid receptor, nuclear receptor subfamily 3, group C, member 1	2908
	NR1H3	LXR-alpha, Nuclear receptor subfamily 1, group H, member 3	10062
	NR1H2	LXR-beta, Nuclear receptor subfamily 1, group H, member 2	7376
	NR3C2	MR, mineralcorticoid receptor, Nuclear receptor subfamily 3, group C, member 2	4306
	PPARA	PPAR-alpha, Peroxisome proliferator-activated receptor alpha	5465
	PPARD	PPAR-delta, Peroxisome proliferator-activated receptor delta	5467
	PPARG	PPAR-gamma, Peroxisome proliferator-activated receptor gamma	5468
	PGR	Progesteron receptor	5241
	NR1I2	PXR, Pregnane X receptor	8856
	RARA	Retinoic acid receptor, alpha	5914
	RARB	Retinoic acid receptor, beta	5915
	RARG	Retinoic acid receptor, gamma	5916
	RORA	RAR-related orphan receptor A	6095
	RXRA	Retinoid X receptor, alpha	6256
	NR5A1	SF-1, Nuclear receptor subfamily 5, group A, member 1	2516
	THRA	Thyroid hormone receptor alpha	7067
	THRB	Thyroid hormon receptor beta	7068
	VDR	Vitamin D (1,25- dihydroxyvitamin D3) receptor	7421

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Target Class: Electrogenic Transporters

Sub-family	Symbol	Other Aliases/Designations	GeneID
Neurotransmitter transporters	SLC6A12	BGT-1, gamma-aminobutyric acid transporter	6539
	SLC6A3	DAT, Dopamine transporter	6531
	SLC6A1	GAT1, GABA transporter 1	6529
	SLC6A11	GAT3, GABA transporter 3	6538
	SLC6A9	GLYT1, Glycin transporter 1	6536
	SLC6A5	GLYT2, Glycin transporter 2	9152
	SLC6A15	Proline transporter, Solute carrier family 6, member 15	55117
Anionic transporters	SLC01B3	OATP8, Solute carrier organic anion transporter family, member 1B3	28234

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