

Human G Protein Coupled Receptors 384HT PCR Array
Neurotransmitter Receptors:
<u>Adenosine Receptors:</u> ADORA1, ADORA2A, ADORA2B, ADORA3.
<u>Adrenergic Receptors:</u> ADRA1A, ADRA1B, ADRA1D, ADRA2A, ADRA2B, ADRA2C, ADRB1, ADRB2, ADRB3.
<u>Cannabinoid Receptors:</u> CNR1, CNR2.
<u>Dopamine Receptors:</u> DRD1, DRD2, DRD3, DRD4, DRD5.
<u>Gamma-Aminobutyric Acid (GABA) Receptors:</u> GABBR1, GABBR2.
<u>Muscarinic Cholinergic Receptors:</u> CHRM1, CHRM2, CHRM3, CHRM4, CHRM5.
<u>Opioid Receptors:</u> OGFR, OPRD1, OPRK1, OPRL1, OPRM1.
<u>Ionotropic Glutamate Receptor:</u> GRIK3.
<u>Metabotropic Glutamate Receptors:</u> GRM1, GRM2, GRM3, GRM4, GRM5, GRM6, GRM7, GRM8.
<u>Serotonin (5-Hydroxytryptamine) Receptors:</u> HTR1A, HTR1B, HTR1D, HTR1E, HTR1F, HTR2A, HTR2B, HTR2C, HTR3A, HTR3B, HTR4, HTR5A, HTR6, HTR7.
Neuropeptide Receptors:
<u>Galanin Receptors:</u> GALR1, GALR2, GALR3.
<u>Hypocretin (Orexin) Receptors:</u> HCRT1, HCRT2.
<u>Neuromedin Receptors:</u> NMBR, NMUR1, NMUR2.
<u>Neuropeptide Receptors:</u> NPBWR1, NPBWR2, NPFFR1, NPFFR2, NPSR1, NPY1R, NPY2R, NPY5R.
<u>Neurotensin Receptors:</u> NTSR1, NTSR2.
<u>Tachykinin Receptors:</u> TACR1, TACR2, TACR3.
Hormone Receptors:
<u>Calcitonin Receptors:</u> CALCR, CALCRL.
<u>Cholecystokinin Receptors:</u> CCKAR, CCKBR.
<u>Corticotropin Releasing Hormone Receptors:</u> CRHR1, CRHR2.

<u>Glucagon-Like Peptide Receptors:</u> GLP1R, GLP2R.
<u>Melanin-Concentrating Hormone Receptors:</u> MCHR1, MCHR2.
<u>Melanocortin Receptors:</u> MC1R, MC2R, MC3R, MC4R, MC5R.
<u>Parathyroid Hormone Receptors:</u> PTH1R, PTH2R.
<u>Prokineticin Receptors:</u> PROKR1, PROKR2.
<u>Somatostatin Receptors:</u> SSTR1, SSTR2, SSTR3, SSTR4, SSTR5.
<u>Others:</u> APLNR, EMR1, FSHR, GCGR, GHRHR, GHSR, GIPR, GNRHR, GRPR, LEPR, LHCGR, PRLHR, SCTR, TRHR, TSHR.
<u>Orphan G Protein-Coupled Receptors:</u> GPR1, GPR101, GPR110, GPR111, GPR112, GPR113, GPR114, GPR115, GPR116, GPR119, GPR12, O3FAR1, GPR123, GPR124, GPR125, GPR126, GPR128, GPR132, GPR133, GPR135, GPR139, GPR141, GPR142, GPR143, GPR144, GPR146, GPR148, GPR149, GPR15, GPR150, GPR151, GPR152, GPR153, GPR156, GPR157, GPR158, GPR160, GPR161, GPR162, GPR17, GPR171, GPR173, GPR174, GPR176, GPR179, GPR18, GPR182, GPR183, GPR19, GPR20, GPR21, GPR22, GPR25, GPR26, GPR27, GPR3, GPR31, GPR32, GPR34, GPR35, GPR37, GPR37L1, GPR39, GPR4, GPR44, GPR45, GPR50, GPR52, GPR55, GPR56, GPR6, GPR61, GPR62, GPR63, GPR64, GPR65, GPR68, GPR75, GPR77, GPR78, HCAR1, GPR82, GPR83, GPR84, GPR85, GPR87, GPR88, GPR97, GPR98, GPRC5A, GPRC5B, GPRC5C, GPRC5D, GPRC6A.
Angiogenesis & Vasoactivity:
<u>Angiotensin II Receptors:</u> AGTR1, AGTR2.
<u>Arginine Vasopressin Receptors:</u> AVPR1A, AVPR1B, AVPR2.
<u>Bradykinin Receptors:</u> BDKRB1, BDKRB2.
<u>Brain-Specific Angiogenesis Inhibitors:</u> BAI1, BAI2, BAI3.
<u>Endothelin Receptors:</u> EDNRA, EDNRB.
<u>Natriuretic Peptide Receptors:</u> NPR1, NPR2, NPR3.
<u>Vasoactive Intestinal Peptide Receptors:</u> VIPR1, VIPR2.
Inflammation and Immune System Regulation:
<u>Complement Component Receptors:</u> C3AR1, C5AR1.
<u>Chemokine & Cytokine Receptors:</u> CCBP2, CCR1, CCR10, CCR2, CCR3, CCR4, CCR5, CCR6, CCR7, CCR8, CCR9, CCRL1, CCRL2, CMKLR1, CX3CR1, CXCR3, CXCR4, CXCR5, CXCR6, CXCR7, CXCR1, CXCR2, XCR1.

<u>Histamine Receptors:</u> HRH1, HRH2, HRH3, HRH4.
Lipid Messenger Receptors:
<u>Cysteinyl Leukotriene Receptors:</u> CYSLTR1, CYSLTR2.
<u>Free Fatty Acid Receptors:</u> FFAR1, FFAR2, FFAR3.
<u>Leukotriene B4 & Thromboxane Receptors:</u> LTB4R, LTB4R2, TBXA2R.
<u>Lysophosphatidic Acid Receptors:</u> LPAR1, LPAR2, LPAR3, LPAR4, LPAR5.
<u>Prostaglandin Receptors:</u> PTGDR, PTGER1, PTGER2, PTGER3, PTGER4, PTGFR, PTGIR.
<u>Sphingosine-1-Phosphate Receptors:</u> S1PR1, S1PR2, S1PR3, S1PR4, S1PR5.
Growth Factor Receptors:
<u>Frizzled Homologs:</u> FZD1, FZD10, FZD2, FZD3, FZD4, FZD5, FZD6, FZD7, FZD8, FZD9.
<u>Platelet-Derived Growth Factor Receptors:</u> PDGFRB, PDGFRL.
Other G Protein Coupled Receptors:
<u>Coagulation Factor II (Thrombin) Receptors:</u> F2R, F2RL1, F2RL2, F2RL3.
<u>Cadherin, EGF LAG Seven-Pass G-Type Receptors (Flamingo Homologs):</u> CELSR1, CELSR2, CELSR3.
<u>Formyl Peptide Receptors:</u> FPR1, FPR2, FPR3.
<u>Leucine-Rich Repeat-Containing G Protein-Coupled Receptors:</u> LGR4, LGR5.
<u>Latrophilins:</u> LPHN1, LPHN2, LPHN3.
<u>MAS-Related G-Protein Couple Receptors:</u> MAS1, MRGPRD, MRGPRED, MRGPRF, MRGPRG, MRGPRX1, MRGPRX2, MRGPRX3, MRGPRX4.
<u>Melatonin Receptors:</u> MTNR1A, MTNR1B.
<u>Opsins & Rhodopsin:</u> OPN1SW, OPN3, OPN4, OPN5, RHO.
<u>Purinergic (P2Y) Receptors:</u> P2RY1, P2RY10, P2RY11, P2RY12, P2RY13, P2RY14, P2RY2, P2RY4, LPAR6, P2RY6, P2RY8.
<u>Relaxin/Insulin-Like Family Peptide Receptors:</u> RXFP1, RXFP2, RXFP3, RXFP4.
<u>Sortilin-Related VPS10 Domain Containing Receptors:</u> SORCS1, SORCS2, SORCS3.

Trace Amine Associated Receptors: TAAR1, TAAR2, TAAR5, TAAR6, TAAR9.

Others: ADCYAP1R1, BRS3, CASR, CD97, CRCP, DARC, ELTD1, GPBAR1, GPER, HCAR2, KISS1R, OXGR1, OXTR, PPYR1, PTAFR, QRFPR, RGR, RRH, SIGMAR1, SMO, SUCNR1, TM2D1, UTS2R, XPR1.