



Human Neurotransmitter Signaling Primer Library

Catalog No: HNTS-1
Supplier: RealTimePrimers
Lot No: XXXXX
Supplied as: solid
Stability: store at -20°C

Description

contains 88 primer sets directed against neurotransmitter signaling genes and 8 housekeeping gene primer sets.
 Provided in a 96-well microplate (20 ul - 10 uM.) Perform up to 100 PCR arrays (based on 20 ul assay volume per reaction).
 Just add cDNA template and SYBR green master mix.

Gene List:

- ABAT 4-aminobutyrate aminotransferase
- ACHE acetylcholinesterase (Yt blood group)
- BSN bassoon presynaptic cytomatrix protein
- CCKAR cholecystokinin A receptor
- CCKBR cholecystokinin B receptor
- CHAT choline O-acetyltransferase
- CHRM1 cholinergic receptor, muscarinic 1
- CHRM2 cholinergic receptor, muscarinic 2
- CHRM3 cholinergic receptor, muscarinic 3
- CHRM4 cholinergic receptor, muscarinic 4
- CHRM5 cholinergic receptor, muscarinic 5
- CHRNA1 cholinergic receptor, nicotinic, alpha 1 (muscle)
- CHRNA2 cholinergic receptor, nicotinic, alpha 2 (neuronal)
- CHRNA3 cholinergic receptor, nicotinic, alpha 3 (neuronal)
- CHRNA4 cholinergic receptor, nicotinic, alpha 4 (neuronal)
- CHRNA5 cholinergic receptor, nicotinic, alpha 5 (neuronal)
- CHRNA6 cholinergic receptor, nicotinic, alpha 6 (neuronal)
- CHRNA7 cholinergic receptor, nicotinic, alpha 7 (neuronal)
- CHRNB1 cholinergic receptor, nicotinic, beta 1 (muscle)
- CHRNB2 cholinergic receptor, nicotinic, beta 2 (neuronal)
- CHRNB3 cholinergic receptor, nicotinic, beta 3 (neuronal)
- CHRNB4 cholinergic receptor, nicotinic, beta 4 (neuronal)
- CHRND cholinergic receptor, nicotinic, delta (muscle)
- CHRNE cholinergic receptor, nicotinic, epsilon (muscle)
- CHRNG cholinergic receptor, nicotinic, gamma (muscle)
- COMT catechol-O-methyltransferase
- DRD1 dopamine receptor D1
- DRD2 dopamine receptor D2
- DRD3 dopamine receptor D3
- GABBR1 gamma-aminobutyric acid (GABA) B receptor, 1
- GABRA1 gamma-aminobutyric acid (GABA) A receptor, alpha 1
- GABRA2 gamma-aminobutyric acid (GABA) A receptor, alpha 2
- GABRA3 gamma-aminobutyric acid (GABA) A receptor, alpha 3
- GABRA4 gamma-aminobutyric acid (GABA) A receptor, alpha 4
- GABRA5 gamma-aminobutyric acid (GABA) A receptor, alpha 5
- GABRA6 gamma-aminobutyric acid (GABA) A receptor, alpha 6
- GABRB1 gamma-aminobutyric acid (GABA) A receptor, beta 1
- GABRB2 gamma-aminobutyric acid (GABA) A receptor, beta 2
- GABRB3 gamma-aminobutyric acid (GABA) A receptor, beta 3
- GABRD gamma-aminobutyric acid (GABA) A receptor, delta
- GABRE gamma-aminobutyric acid (GABA) A receptor, epsilon
- GABRG1 gamma-aminobutyric acid (GABA) A receptor, gamma 1
- GABRG2 gamma-aminobutyric acid (GABA) A receptor, gamma 2
- GABRG3 gamma-aminobutyric acid (GABA) A receptor, gamma 3
- GABRP gamma-aminobutyric acid (GABA) A receptor, pi



- GABRQ gamma-aminobutyric acid (GABA) A receptor, theta
- GABRR1 gamma-aminobutyric acid (GABA) A receptor, rho 1
- GABRR2 gamma-aminobutyric acid (GABA) A receptor, rho 2
- GAD1 glutamate decarboxylase 1 (brain, 67kDa)
- GALR1 galanin receptor 1
- GALR2 galanin receptor 2
- GALR3 galanin receptor 3
- GCH1 GTP cyclohydrolase 1
- GLRA1 glycine receptor, alpha 1
- GLRA2 glycine receptor, alpha 2
- GLRA3 glycine receptor, alpha 3
- GLRB glycine receptor, beta
- GPR83 G protein-coupled receptor 83
- GRIA1 glutamate receptor, ionotropic, AMPA 1
- GRIK4 glutamate receptor, ionotropic, kainate 4
- GRIN1 glutamate receptor, ionotropic, N-methyl D-aspartate 1
- GRPR gastrin-releasing peptide receptor
- Htr1A 5-hydroxytryptamine (serotonin) receptor 1B, G protein-coupled
- HTR1E 5-hydroxytryptamine (serotonin) receptor 1E, G protein-coupled
- HTR2A 5-hydroxytryptamine (serotonin) receptor 2A, G protein-coupled
- HTR3A 5-hydroxytryptamine (serotonin) receptor 3A, ionotropic
- HTR3B 5-hydroxytryptamine (serotonin) receptor 3B, ionotropic
- MAOA monoamine oxidase A
- NMUR1 neuromedin U receptor 1
- NMUR2 neuromedin U receptor 2
- PHOX2A paired-like homeobox 2a
- PPYR1 Pancreatic polypeptide receptor 1
- RIMS1 regulating synaptic membrane exocytosis 1
- RIMS3 regulating synaptic membrane exocytosis 3
- RIMS4 regulating synaptic membrane exocytosis 4
- SNPH syntrophin
- SORCS1 sortilin-related VPS10 domain containing receptor 1
- SORCS2 sortilin-related VPS10 domain containing receptor 2
- SSTR1 somatostatin receptor 1
- SSTR2 somatostatin receptor 2
- STX1A syntaxin 1A (brain)
- STX1B syntaxin 1B
- SYP synaptophysin
- SYT1 synaptotagmin I
- TACR1 tachykinin receptor 1
- TACR2 tachykinin receptor 2
- TPH1 tryptophan hydroxylase 1
- TSPO translocator protein (18kDa)
- ACTB Actin, beta
- B2M Beta-2-microglobulin
- GAPDH Glyceraldehyde-3-phosphate dehydrogenase
- GUSB Glucuronidase, beta
- HPRT1 Hypoxanthine phosphoribosyltransferase 1
- PGK1 Phosphoglycerate kinase 1
- PPIA Peptidylprolyl isomerase A
- RPL13A Ribosomal protein L13a

Usage

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