Human Ligand Gated Ion Channels Primer Library

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

Description

Contains 88 primer sets directed against ligand-gated ion channel genes and 8 housekeeping genes. 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:

- CFTR cystic fibrosis transmembrane conductance regulator (ATP-binding cassette sub-family C, member 7)
- 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)
- CHRNA6 cholinergic receptor, nicotinic, alpha 6 (neuronal)
- CHRNA9 cholinergic receptor, nicotinic, alpha 9 (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)
- CLCN1 chloride channel, voltage-sensitive 1
- CLCN2 chloride channel, voltage-sensitive 2
- CLCN4 chloride channel, voltage-sensitive 4
- CLCN5 chloride channel, voltage-sensitive 5
- CLCN6 chloride channel, voltage-sensitive 6
- CLCN7 chloride channel, voltage-sensitive 7
- CLCNKA chloride channel, voltage-sensitive Ka
- CLCNKB chloride channel, voltage-sensitive Kb
- CLIC1 chloride intracellular channel 1
- CLIC3 chloride intracellular channel 3
- CLIC4 chloride intracellular channel 4
- CLIC5 chloride intracellular channel 5
- CLIC6 chloride intracellular channel 6
- CNGA3 cyclic nucleotide gated channel alpha 3
- 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
- GLRA1 glycine receptor, alpha 1

- GLRA2 glycine receptor, alpha 2
- GLRA3 glycine receptor, alpha 3
- GLRB glycine receptor, beta
- GRIA1 glutamate receptor, ionotropic, AMPA 1
- GRIA2 glutamate receptor, ionotropic, AMPA 2
- GRIA3 glutamate receptor, ionotropic, AMPA 3
- GRIA4 glutamate receptor, ionotropic, AMPA 4
- GRID1 glutamate receptor, ionotropic, delta 1
- GRID2 glutamate receptor, ionotropic, delta 2
- GRIK1 glutamate receptor, ionotropic, kainate 1
- GRIK2 glutamate receptor, ionotropic, kainate 2
- GRIK3 glutamate receptor, ionotropic, kainate 3
- GRIN1 glutamate receptor, ionotropic, N-methyl D- aspartate 1
- GRIN2A glutamate receptor, ionotropic, N-methyl D- aspartate 2A
- GRIN2B glutamate receptor, ionotropic, N-methyl D- aspartate 2B
- GRIN2D glutamate receptor, ionotropic, N-methyl D- aspartate 2D
- GRIN3A glutamate receptor, ionotropic, N-methyl-D- aspartate 3A
- HCN3 hyperpolarization activated cyclic nucleotide- gated potassium channel 3
- HCN4 hyperpolarization activated cyclic nucleotide- gated potassium channel 4
- HTR3A 5-hydroxytryptamine (serotonin) receptor 3A, ionotropic
- HTR3B 5-hydroxytryptamine (serotonin) receptor 3B, ionotropic
- ITPR1 inositol 1,4,5-trisphosphate receptor, type 1
- ITPR3 inositol 1,4,5-trisphosphate receptor, type 3
- P2RX1 purinergic receptor P2X, ligand-gated ion channel, 1
- P2RX2 purinergic receptor P2X, ligand-gated ion channel, 2
- P2RX3 purinergic receptor P2X, ligand-gated ion channel, 3
- P2RX4 purinergic receptor P2X, ligand-gated ion channel, 4
- P2RX7 purinergic receptor P2X, ligand-gated ion channel, 7
- PKD2 polycystic kidney disease 2 (autosomal dominant)
- PKD2L1 polycystic kidney disease 2-like 1
- RYR1 ryanodine receptor 1 (skeletal)
- RYR2 ryanodine receptor 2 (cardiac)
- RYR3 ryanodine receptor 3
- SCNN1A sodium channel, non-voltage-gated 1 alpha subunit
- SCNN1B sodium channel, non-voltage-gated 1, beta subunit
- SCNN1D sodium channel, non-voltage-gated 1, delta subunit
- SCNN1G sodium channel, non-voltage-gated 1, gamma subunit
- TRPC1 transient receptor potential cation channel, subfamily C, member 1
- TRPC3 transient receptor potential cation channel, subfamily C, member 3
- TRPC4 transient receptor potential cation channel, subfamily C, member 4
- TRPC5 transient receptor potential cation channel, subfamily C, member 5
- TRPC6 transient receptor potential cation channel, subfamily C, member 6
- ACTB Housekeeping Gene
- B2M Housekeeping Gene
- GAPD Housekeeping Gene
- GUSB Housekeeping Gene
- HPRT1 Housekeeping Gene
- PGK1 Housekeeping Gene
- PPIA Housekeeping Gene
- RPL13A Housekeeping Gene

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.