



Human G-Protein Coupled Receptor Signaling Primer Library

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

Description

Contains 88 primer sets directed against G-protein coupled receptor signaling related 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:

- ADCY1 adenylate cyclase 1
- ADCY2 adenylate cyclase 2
- ADCY3 adenylate cyclase 3
- AKT1 v-akt murine thymoma viral oncogene homolog 1
- ARHGEF1 Rho guanine nucleotide exchange factor (GEF) 1
- ARHGEF2 Rho/Rac guanine nucleotide exchange factor (GEF) 2
- BRAF v-raf murine sarcoma viral oncogene homolog B1
- CALM1 calmodulin 1 (phosphorylase kinase, delta)
- CALM3 calmodulin 3 (phosphorylase kinase, delta)
- CCND1 cyclin D2
- CDC42 cell division cycle 42 (GTP binding protein, 25kDa)
- CDKN1A cyclin-dependent kinase inhibitor 1A (p21, Cip1)
- CDKN1B cyclin-dependent kinase inhibitor 1B (p27, Kip1)
- CHUK conserved helix-loop-helix ubiquitous kinase
- CREB1 cAMP responsive element binding protein 1
- CRK v-crck sarcoma virus CT10 oncogene homolog (avian)
- EGFR epidermal growth factor receptor
- ELK1 ELK1, member of ETS oncogene family
- ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)
- FOS FBJ murine osteosarcoma viral oncogene homolog
- GNA12 guanine nucleotide binding protein (G protein) alpha 12
- GNA13 guanine nucleotide binding protein (G protein), alpha 13
- GNAI1 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1
- GNAI2 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2
- GNAQ guanine nucleotide binding protein (G protein), q polypeptide
- GNAS GNAS complex locus
- GNB3 guanine nucleotide binding protein (G protein), beta polypeptide 3
- GNG2 guanine nucleotide binding protein (G protein), gamma 2
- GRB2 growth factor receptor-bound protein 2
- HRAS v-Ha-ras Harvey rat sarcoma viral oncogene homolog
- IKBKB inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
- IKBKG inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
- ITPR1 inositol 1,4,5-trisphosphate receptor, type 1
- JUN jun proto-oncogene
- KDR kinase insert domain receptor (a type III receptor tyrosine kinase)
- KRAS v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
- MAP2K1 mitogen-activated protein kinase kinase 1
- MAP2K2 mitogen-activated protein kinase kinase 2
- MAP2K4 mitogen-activated protein kinase kinase 4
- MAP3K1 mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase
- MAP3K5 mitogen-activated protein kinase kinase kinase 5
- MAPK1 mitogen-activated protein kinase 1
- MAPK10 mitogen-activated protein kinase 10
- MAPK14 mitogen-activated protein kinase 14
- MAPK3 mitogen-activated protein kinase 3



- MAPK7 mitogen-activated protein kinase 7
- MAPK8 mitogen-activated protein kinase 8
- MAPK9 mitogen-activated protein kinase 9
- NFATC1 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
- NFATC2 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2
- NFKB1 nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
- NFKB2 nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)
- NFKBIA nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
- NRAS neuroblastoma RAS viral (v-ras) oncogene homolog
- PAK1 p21 protein (Cdc42/Rac)-activated kinase 1
- PAK2 p21 protein (Cdc42/Rac)-activated kinase 2
- PIK3CA phosphoinositide-3-kinase, catalytic, alpha polypeptide
- PIK3CB phosphoinositide-3-kinase, catalytic, beta polypeptide
- PIK3CD phosphoinositide-3-kinase, catalytic, delta polypeptide
- PIK3R1 phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
- PIK3R2 phosphoinositide-3-kinase, regulatory subunit 2 (beta)
- PLCB1 phospholipase C, beta 1 (phosphoinositide-specific)
- PPP3CA protein phosphatase 3, catalytic subunit, alpha isozyme
- PRKACA protein kinase, cAMP-dependent, catalytic, alpha
- PRKCA protein kinase C, alpha
- PRKCB protein kinase C, beta
- PRKCD protein kinase C, delta
- PRKCE protein kinase C, epsilon
- PRKCZ protein kinase C, zeta
- PTK2 PTK2 protein tyrosine kinase 2
- PTK2B protein tyrosine kinase 2, beta
- PXN paxillin
- RAC1 ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
- RAC2 ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)
- RAF1 v-raf-1 murine leukemia viral oncogene homolog 1
- RAP1A RAP1A, member of RAS oncogene family
- RELA v-rel reticuloendotheliosis viral oncogene homolog A (avian)
- RELB v-rel reticuloendotheliosis viral oncogene homolog B
- RHOA ras homolog family member A
- RHOB ras homolog family member B
- RAC1 ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
- RAC2 ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)
- SHC1 SHC (Src homology 2 domain containing) transforming protein 1
- SOS1 son of sevenless homolog 1 (Drosophila)
- SRC v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)
- SRF serum response factor (c-fos serum response element- binding transcription factor)
- STAT1 signal transducer and activator of transcription 1, 91kDa
- STAT3 signal transducer and activator of transcription 3 (acute-phase response factor)
- 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 (cyclophilin A)
- RPL13A ribosomal protein L13a

Usage

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