



Human BDNF Signaling Primer Library

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

Description

Contains 88 primer sets directed against BDNF 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:

- ACACB acetyl-CoA carboxylase beta
- AKT1 v-akt murine thymoma viral oncogene homolog 1
- BDNF brain-derived neurotrophic factor
- CAMK1 calcium/calmodulin-dependent protein kinase I
- CDC42 cell division cycle 42
- CDH2 cadherin 2, type 1, N-cadherin (neuronal)
- CDK5 cyclin-dependent kinase 5
- CDK5R1 cyclin-dependent kinase 5, regulatory subunit 1 (p35)
- CEBPB CCAAT/enhancer binding protein (C/EBP), beta
- CFL1 cofilin 1 (non-muscle)
- CNR1 cannabinoid receptor 1 (brain)
- CREB1 cAMP responsive element binding protein 1
- CTNNA1 catenin (cadherin-associated protein), beta 1, 88kDa
- DLG1 discs, large homolog 1 (Drosophila)
- DOCK3 dedicator of cytokinesis 3
- DOK5 docking protein 5
- ELK1 ELK1, member of ETS oncogene family
- FRS2 fibroblast growth factor receptor substrate 2
- FYN FYN proto-oncogene, Src family tyrosine kinase
- GABRB1 gamma-aminobutyric acid (GABA) A receptor, beta 1
- GRB2 growth factor receptor-bound protein 2
- GRIA1 glutamate receptor, ionotropic, AMPA 1
- GRIA2 glutamate receptor, ionotropic, AMPA 2
- GRIA3 glutamate receptor, ionotropic, AMPA 3
- GRIN1 glutamate receptor, ionotropic, N-methyl D-aspartate 1
- GRIP1 glutamate receptor interacting protein 1
- HRAS Harvey rat sarcoma viral oncogene homolog
- IRS1 insulin receptor substrate 1
- IRS2 insulin receptor substrate 2
- JAK2 Janus kinase 2
- JUN jun proto-oncogene
- LINGO1 leucine rich repeat and Ig domain containing 1
- MAP2K1 mitogen-activated protein kinase kinase 1
- MAP2K5 mitogen-activated protein kinase kinase 5
- MAP3K1 mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase
- MAPK1 mitogen-activated protein kinase 1
- MAPK10 mitogen-activated protein kinase 10
- MAPK14 mitogen-activated protein kinase 14
- MAPK3 mitogen-activated protein kinase 3
- MAPK8 mitogen-activated protein kinase 8
- MAPK9 mitogen-activated protein kinase 9
- MEF2C myocyte enhancer factor 2C
- NCAM1 neural cell adhesion molecule 1
- NCF1 neutrophil cytosolic factor 1
- NCF2 neutrophil cytosolic factor 2
- NCK1 NCK adaptor protein 1
- NCK2 NCK adaptor protein 2
- NFATC4 nuclear factor of activated T-cells, cytoplasmic, calcineurin- dependent 4
- NFKB1 nuclear factor of kappa light polypeptide gene enhancer in B- cells 1
- NGF nerve growth factor (beta polypeptide)
- NGFR nerve growth factor receptor
- NSF N-ethylmaleimide-sensitive factor
- NTF3 neurotrophin 3
- NTRK1 neurotrophic tyrosine kinase, receptor, type 1
- NTRK2 neurotrophic tyrosine kinase, receptor, type 2
- NTRK3 neurotrophic tyrosine kinase, receptor, type 3
- PDPK1 3-phosphoinositide dependent protein kinase 1
- PIK3CA phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha



- PIK3R1 phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
- PLCG1 phospholipase C, gamma 1
- PRKAA1 protein kinase, AMP-activated, alpha 1 catalytic subunit
- PRKCD protein kinase C, delta
- PTK2B In multiple Geneids
- PTPN11 protein tyrosine phosphatase, non-receptor type 11
- PTPRF protein tyrosine phosphatase, receptor type, F
- RAB3A RAB3A, member RAS oncogene family
- RAC1 ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
- RAF1 Raf-1 proto-oncogene, serine/threonine kinase
- RANBP9 RAN binding protein 9
- RAP1A RAP1A, member of RAS oncogene family
- RASGRF1 Ras protein-specific guanine nucleotide-releasing factor 1
- RELA v-rel avian reticuloendotheliosis viral oncogene homolog A
- RHOG ras homolog family member G
- RPS6KA1 ribosomal protein S6 kinase, 90kDa, polypeptide 1
- RPS6KA3 ribosomal protein S6 kinase, 90kDa, polypeptide 3
- RPS6KA5 ribosomal protein S6 kinase, 90kDa, polypeptide 5
- RPS6KB1 ribosomal protein S6 kinase, 70kDa, polypeptide 1
- SHC1 SHC (Src homology 2 domain containing) transforming protein 1
- SORT1 sortilin 1
- SQSTM1 sequestosome 1
- SRC SRC proto-oncogene, non-receptor tyrosine kinase
- STAT1 signal transducer and activator of transcription 1, 91kDa
- STAT3 signal transducer and activator of transcription 3 (acute-phase response factor)
- STAT5A signal transducer and activator of transcription 5A
- STAT5B signal transducer and activator of transcription 5B
- SYN1 synapsin I
- TIAM1 T-cell lymphoma invasion and metastasis 1
- VAV2 vav 2 guanine nucleotide exchange 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
- RPL13A Ribosomal protein L13a

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.