



Human MAP Kinase Signaling Library

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

Description

Contains 88 primer sets directed against MAP kinase signaling 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:

- ARAF v-raf murine sarcoma 3611 viral oncogene homolog
- ATF2 activating transcription factor 2
- BRAF v-raf murine sarcoma viral oncogene homolog B1
- CCND1 cyclin D1
- CCND2 cyclin D2
- CCNE1 cyclin E1
- CDC42 cell division cycle 42 (GTP binding protein, 25kDa)
- CDKN1B cyclin-dependent kinase inhibitor 1B (p27, Kip1)
- CDKN1C cyclin-dependent kinase inhibitor 1C (p57, Kip2)
- CHUK conserved helix-loop-helix ubiquitous kinase
- COL1A1 collagen, type I, alpha 1
- CREB1 cAMP responsive element binding protein 1
- CREBBP CREB binding protein
- DUSP1 dual specificity phosphatase 1
- DUSP10 dual specificity phosphatase 10
- DUSP16 dual specificity phosphatase 16
- DUSP2 dual specificity phosphatase 2
- DUSP4 dual specificity phosphatase 4
- DUSP5 dual specificity phosphatase 5
- DUSP6 dual specificity phosphatase 6
- DUSP7 dual specificity phosphatase 7
- DUSP8 dual specificity phosphatase 8
- DUSP9 dual specificity phosphatase 9
- FOS FBJ murine osteosarcoma viral oncogene homolog
- GRB2 growth factor receptor-bound protein 2
- HRAS v-Ha-ras Harvey rat sarcoma viral oncogene homolog
- IGF1 insulin-like growth factor 1 (somatomedin C)
- KRAS v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
- MAP2K1 mitogen-activated protein kinase kinase 1
- MAP2K2 mitogen-activated protein kinase kinase 2
- MAP2K3 mitogen-activated protein kinase kinase 3
- MAP2K4 mitogen-activated protein kinase kinase 4
- MAP2K5 mitogen-activated protein kinase kinase 5
- MAP2K6 mitogen-activated protein kinase kinase 6
- MAP2K7 mitogen-activated protein kinase kinase 7
- MAP3K1 mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase
- MAP3K10 mitogen-activated protein kinase kinase kinase 10
- MAP3K11 mitogen-activated protein kinase kinase kinase 11
- MAP3K2 mitogen-activated protein kinase kinase kinase 2
- MAP3K3 mitogen-activated protein kinase kinase kinase 3
- MAP3K4 mitogen-activated protein kinase kinase kinase 4
- MAP3K5 mitogen-activated protein kinase kinase kinase 5
- MAP3K6 mitogen-activated protein kinase kinase kinase 6
- MAP3K7 mitogen-activated protein kinase kinase kinase 7
- MAP3K8 mitogen-activated protein kinase kinase kinase 8
- MAP3K9 mitogen-activated protein kinase kinase kinase 9
- MAP4K1 mitogen-activated protein kinase kinase kinase kinase 1



- MAP4K2 mitogen-activated protein kinase kinase kinase 2
- MAPK1 mitogen-activated protein kinase 1
- MAPK10 mitogen-activated protein kinase 10
- MAPK11 mitogen-activated protein kinase 11
- MAPK12 mitogen-activated protein kinase 12
- MAPK13 mitogen-activated protein kinase 13
- MAPK14 mitogen-activated protein kinase 14
- MAPK15 mitogen-activated protein kinase 15
- MAPK3 mitogen-activated protein kinase 3
- MAPK4 mitogen-activated protein kinase 4
- MAPK6 mitogen-activated protein kinase 6
- MAPK7 mitogen-activated protein kinase 7
- MAPK8 mitogen-activated protein kinase 8
- MAPK8IP1 mitogen-activated protein kinase 8 interacting protein 1
- MAPK8IP2 mitogen-activated protein kinase 8 interacting protein 2
- MAPK9 mitogen-activated protein kinase 9
- MAPKAPK2 mitogen-activated protein kinase-activated protein kinase 2
- MAPKAPK3 mitogen-activated protein kinase-activated protein kinase 3
- MAPKAPK5 mitogen-activated protein kinase-activated protein kinase 5
- MEF2A myocyte enhancer factor 2A
- MEF2C myocyte enhancer factor 2C
- MYC V-myc myelocytomatosis viral oncogene homolog (avian)
- NLK nemo-like kinase
- NRAS neuroblastoma RAS viral (v-ras) oncogene homolog
- PAK1 p21 protein (Cdc42/Rac)-activated kinase 1
- PAK2 p21 protein (Cdc42/Rac)-activated kinase 2
- PAK3 p21 protein (Cdc42/Rac)-activated kinase 3
- PAK4 p21 protein (Cdc42/Rac)-activated kinase 4
- PTK2B protein tyrosine kinase 2 beta
- RAC1 ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
- RAF1 v-raf-1 murine leukemia viral oncogene homolog 1
- RELA v-rel reticuloendotheliosis viral oncogene homolog A (avian)
- RPS6KA1 ribosomal protein S6 kinase, 90kDa, polypeptide 1
- RPS6KA2 ribosomal protein S6 kinase, 90kDa, polypeptide 2
- RPS6KA3 ribosomal protein S6 kinase, 90kDa, polypeptide 3
- RPS6KA4 ribosomal protein S6 kinase, 90kDa, polypeptide 4
- RPS6KA5 ribosomal protein S6 kinase, 90kDa, polypeptide 5
- RPS6KB1 ribosomal protein S6 kinase, 70kDa, polypeptide 1
- RPS6KB2 ribosomal protein S6 kinase, 70kDa, polypeptide 2
- SHC1 SHC (Src homology 2 domain containing) transforming protein 1
- TP53 tumor protein p53
- 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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