



Human CREB Signaling Primer Library

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

Description

Contains 88 primer sets directed against CREB 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:

- AKT1 v-akt murine thymoma viral oncogene homolog 1
- ATF1 activating transcription factor 1
- ATF4 activating transcription factor 4 (tax-responsive enhancer element B67)
- CACNA1C calcium channel, voltage-dependent, L type, alpha 1C subunit
- CACNA1F calcium channel, voltage-dependent, L type, alpha 1F subunit
- CACNA1G calcium channel, voltage-dependent, T type, alpha 1G subunit
- CACNA1H calcium channel, voltage-dependent, T type, alpha 1H subunit
- CACNA1S calcium channel, voltage-dependent, L type, alpha 1S subunit
- CALM1 calmodulin 1 (phosphorylase kinase, delta)
- CALM2 calmodulin 2 (phosphorylase kinase, delta)
- CALM3 calmodulin 3 (phosphorylase kinase, delta)
- CAMK2A calcium/calmodulin-dependent protein kinase II alpha
- CAMK2B calcium/calmodulin-dependent protein kinase II beta
- CAMK2D calcium/calmodulin-dependent protein kinase II delta
- CAMK4 calcium/calmodulin-dependent protein kinase IV
- CREB1 cAMP responsive element binding protein 1
- CREBBP CREB binding protein
- CREM cAMP responsive element modulator
- EGFR epidermal growth factor receptor
- ELK1 ELK1, member of ETS oncogene family
- EP300 E1A binding protein p300
- FLT1 fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
- GNAI1 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1
- GNAI2 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2
- GNAI3 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3
- GNAQ guanine nucleotide binding protein (G protein), q polypeptide
- GNAS GNAS complex locus
- GNB1 guanine nucleotide binding protein (G protein), beta polypeptide 1
- GNB2 guanine nucleotide binding protein (G protein), beta polypeptide 2
- 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
- GRIA1 glutamate receptor, ionotropic, AMPA 1
- GRIA2 glutamate receptor, ionotropic, AMPA 2
- GRIA3 glutamate receptor, ionotropic, AMPA 3
- GRIA4 glutamate receptor, ionotropic, AMPA 4
- GRIK2 glutamate receptor, ionotropic, kainate 2
- GRM1 glutamate receptor, metabotropic 1
- GRM2 glutamate receptor, metabotropic 2
- GRM3 glutamate receptor, metabotropic 3
- GRM4 glutamate receptor, metabotropic 4
- GRM5 glutamate receptor, metabotropic 5
- GRM7 glutamate receptor, metabotropic 7
- GRM8 glutamate receptor, metabotropic 8
- GTF2B general transcription factor IIB
- HRAS v-Ha-ras Harvey rat sarcoma viral oncogene homolog
- IL2 interleukin 2
- IL6 interleukin 6 (interferon, beta 2)
- ITPR1 inositol 1,4,5-trisphosphate receptor, type 1
- ITPR2 inositol 1,4,5-trisphosphate receptor, type 2



- ITPR3 inositol 1,4,5-trisphosphate receptor, type 3
- KDR kinase insert domain receptor (a type III receptor tyrosine kinase)
- KIT v-kit Hardy-Zuckerman 4 feline 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
- MAP2K6 mitogen-activated protein kinase kinase 6
- MAPK1 mitogen-activated protein kinase 1
- MAPK3 mitogen-activated protein kinase 3
- MET met proto-oncogene (hepatocyte growth factor receptor)
- 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)
- PLCB2 phospholipase C, beta 2
- PLCE1 phospholipase C, epsilon 1
- PLCG1 phospholipase C, gamma 1
- PLCG2 phospholipase C, gamma 2 (phosphatidylinositol- specific)
- POLR2A polymerase (RNA) II (DNA directed) polypeptide A, 220kDa
- POLR2B polymerase (RNA) II (DNA directed) polypeptide B, 140kDa
- POLR2C polymerase (RNA) II (DNA directed) polypeptide C, 33kDa
- PRKACA protein kinase, cAMP-dependent, catalytic, alpha
- PRKACB protein kinase, cAMP-dependent, catalytic, beta
- PRKAR1A protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)
- PRKAR2A protein kinase, cAMP-dependent, regulatory, type II, alpha
- PRKAR2B protein kinase, cAMP-dependent, regulatory, type II, beta
- PRKCA protein kinase C, alpha
- PRKCB protein kinase C, beta
- PRKCD protein kinase C, delta
- PRKCE protein kinase C, epsilon
- PRKCG protein kinase C, gamma
- PRKCZ protein kinase C, zeta
- RAF1 v-raf-1 murine leukemia viral oncogene homolog 1
- SOS1 son of sevenless homolog 1 (Drosophila)
- TGFB1 transforming growth factor, beta 1
- 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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