



Human cAMP Signaling Primer Library

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

Description

Contains 88 primer sets directed against cyclic AMP 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:

- ADCY1 adenylate cyclase 1 (brain)
- ADCY2 In multiple Geneids
- ADCY3 adenylate cyclase 3
- ADCY4 In multiple Geneids
- ADCY5 adenylate cyclase 5
- ADCY6 adenylate cyclase 6
- ADCY7 adenylate cyclase 7
- ADCY8 adenylate cyclase 8 (brain)
- ADCY9 adenylate cyclase 9
- ADCY10 adenylate cyclase 10 (soluble)
- ADRA1A adrenoceptor alpha 1A
- ADRA2A adrenoceptor alpha 2A
- ADRB1 adrenoceptor beta 1
- ADRB2 adrenoceptor beta 2, surface
- ADRB3 adrenoceptor beta 3
- AKAP1 A kinase (PRKA) anchor protein 1
- AKAP10 A kinase (PRKA) anchor protein 10
- AKAP12 A kinase (PRKA) anchor protein 12
- AKAP13 A kinase (PRKA) anchor protein 13
- AKAP5 A kinase (PRKA) anchor protein 5
- AKAP8 A kinase (PRKA) anchor protein 8
- AKAP9 A kinase (PRKA) anchor protein (yotiao) 9
- AKT1 v-akt murine thymoma viral oncogene homolog 1
- AKT2 v-akt murine thymoma viral oncogene homolog 2
- AKT3 v-akt murine thymoma viral oncogene homolog 3
- ARRB1 arrestin, beta 1
- ARRB2 arrestin, beta 2
- BRAF v-raf murine sarcoma viral oncogene homolog B1
- CACNA1D calcium channel, voltage-dependent, L type, alpha 1D subunit
- CALM1 calmodulin 1 (phosphorylase kinase, delta)
- CALM3 calmodulin 3 (phosphorylase kinase, delta)
- CAMK2A calcium/calmodulin-dependent protein kinase II alpha
- CAMK2G calcium/calmodulin-dependent protein kinase II gamma
- CAMK4 calcium/calmodulin-dependent protein kinase IV
- CLCN6 chloride channel, voltage-sensitive 6
- CNGA3 cyclic nucleotide gated channel alpha 3
- CNGB1 cyclic nucleotide gated channel beta 1
- CRHR1 corticotropin releasing hormone receptor 1
- CRHR2 corticotropin releasing hormone receptor 2
- GCG glucagon
- GCGR glucagon 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
- 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
- GNG4 guanine nucleotide binding protein (G protein), gamma 4
- HRAS v-Ha-ras Harvey rat sarcoma viral oncogene homolog
- ITPR1 inositol 1,4,5-trisphosphate receptor, type 1
- KCNK7 potassium channel, subfamily K, member 7
- KDR kinase insert domain receptor (a type III receptor tyrosine kinase)
- KIT v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog



- KRAS v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
- MAPK14 mitogen-activated protein kinase 14
- MET met proto-oncogene (hepatocyte growth factor receptor)
- NRAS neuroblastoma RAS viral (v-ras) oncogene homolog
- NTN1 netrin 1
- 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)
- PLA2G2A phospholipase A2, group IIA (platelets, synovial fluid)
- PLA2G4A phospholipase A2, group IVA (cytosolic, calcium- dependent)
- PLA2G7 phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
- PLCG1 phospholipase C, gamma 1
- PPP3CA protein phosphatase 3, catalytic subunit, alpha isozyme
- 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
- PRKCA protein kinase C, alpha
- PRKCB protein kinase C, beta
- PRKCD protein kinase C, delta
- PRKCE protein kinase C, epsilon
- PRKCC protein kinase C, theta
- RAP1A RAP1A, member of RAS oncogene family
- RAP2A RAP2A, member of RAS oncogene family
- RAPGEF3 Rap guanine nucleotide exchange factor (GEF) 3
- RAPGEF4 Rap guanine nucleotide exchange factor (GEF) 4
- RGS2 regulator of G-protein signaling 2, 24kDa
- RGS4 regulator of G-protein signaling 4
- RPS6KB1 ribosomal protein S6 kinase, 70kDa, polypeptide 1
- RYR1 ryanodine receptor 1 (skeletal)
- RYR2 ryanodine receptor 2 (cardiac)
- SRC v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)
- UCN urocortin
- UTS2 urotensin 2
- 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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