



Human PI3K-AKT Signaling Primer Library

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

Description

Contains 88 primer sets directed against PI3K/AKT 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:

- ABL1 c-abl oncogene 1, receptor tyrosine kinase
- ACACA acetyl-Coenzyme A carboxylase alpha
- ACOX1 acyl-Coenzyme A oxidase 1, palmitoyl
- AEBP1 AE binding protein 1
- 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
- ANG angiogenin, ribonuclease, RNase A family, 5
- ARAF v-raf murine sarcoma 3611 viral oncogene homolog
- BAD BCL2-associated agonist of cell death
- BCL2 B-cell CLL/lymphoma 2
- BCL2L1 BCL2-like 1
- BRAF v-raf murine sarcoma viral oncogene homolog B1
- BTK Bruton agammaglobulinemia tyrosine kinase
- CAP1 CAP, adenylate cyclase-associated protein 1 (yeast)
- CASP9 caspase 9, apoptosis-related cysteine peptidase
- CBL Cas-Br-M (murine) ecotropic retroviral transforming sequence
- CCND1 cyclin D1
- CCR2 chemokine (C-C motif) receptor 2
- CCR5 chemokine (C-C motif) receptor 5
- CD4 CD4 molecule
- CD40 CD40 molecule, TNF receptor superfamily member 5
- CDC42 cell division cycle 42 (GTP binding protein, 25kDa)
- CDH1 cadherin 1, type 1, E-cadherin (epithelial)
- CDKN1A cyclin-dependent kinase inhibitor 1A (p21, Cip1)
- CDKN1B cyclin-dependent kinase inhibitor 1B (p27, Kip1)
- CDKN2A cyclin-dependent kinase inhibitor 2A (p16)
- CREB1 cAMP responsive element binding protein 1
- CTNNB1 catenin (cadherin-associated protein), beta 1, 88kDa
- CXCR4 chemokine (C-X-C motif) receptor 4
- E2F1 E2F transcription factor 1
- EGFR epidermal growth factor receptor
- ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2
- FRAP1 Fkbp12-Rapamycin Complex-Associated Protein 1
- GRB2 growth factor receptor-bound protein 2
- GSK3A glycogen synthase kinase 3 alpha
- GSK3B glycogen synthase kinase 3 beta
- GYS1 glycogen synthase 1 (muscle)
- HK2 hexokinase 2
- HRAS v-Ha-ras Harvey rat sarcoma viral oncogene homolog
- IGF1 insulin-like growth factor 1 (somatomedin C)
- IGF1R insulin-like growth factor 1 receptor
- IGF2 insulin-like growth factor 2 (somatomedin A)
- IGF2R insulin-like growth factor 2 receptor
- INS insulin
- INSR insulin receptor
- IRS1 insulin receptor substrate 1
- IRS2 insulin receptor substrate 2
- IRS4 insulin receptor substrate 4
- ITGB1 integrin, beta 1
- ITGB3 integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)
- JAK2 Janus kinase 2
- KIT v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene



- KRAS v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
- LCK lymphocyte-specific protein tyrosine kinase
- LEP leptin
- MAP2K1 mitogen-activated protein kinase kinase 1
- MAPK1 mitogen-activated protein kinase 1
- MAPK14 mitogen-activated protein kinase 14
- MAPK8 mitogen-activated protein kinase 8
- MYC v-myc myelocytomatosis viral oncogene homolog (avian)
- NFKB1 nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
- NFKBIA nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
- NOS3 nitric oxide synthase 3 (endothelial cell)
- PAK1 p21 protein (Cdc42/Rac)-activated kinase 1
- PDE3B phosphodiesterase 3B, cGMP-inhibited
- PDPK1 3-phosphoinositide dependent protein kinase-1
- PIK3C2B phosphoinositide-3-kinase, class 2, beta polypeptide
- PIK3C3 phosphoinositide-3-kinase, class 3
- PIK3CA phosphoinositide-3-kinase, catalytic, alpha polypeptide
- PIK3R1 phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
- PIK3R4 phosphoinositide-3-kinase, regulatory subunit 4
- PRKCA protein kinase C, alpha
- PRKCE protein kinase C, epsilon
- PRKCG protein kinase C, gamma
- PTEN phosphatase and tensin homolog
- RAC1 ras-related C3 botulinum toxin substrate 1
- RAF1 v-raf-1 murine leukemia viral oncogene homolog 1
- RELA v-rel reticuloendotheliosis viral oncogene homolog A (avian)
- RHOA ras homolog gene family, member A
- SGK1 serum/glucocorticoid regulated kinase 1
- SHC1 SHC (Src homology 2 domain containing) transforming protein 1
- SOS1 son of sevenless homolog 1 (Drosophila)
- SPP1 secreted phosphoprotein 1
- SRC v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog
- SYK spleen tyrosine kinase
- TLR4 toll-like receptor 4
- TNF tumor necrosis factor (TNF superfamily, member 2)
- ACTB Actin, beta
- B2M Beta-2-microglobulin
- GAPD Glyceraldehyde 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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