



Mouse PI3K-AKT Signaling Primer Library

Catalog No: MAKT-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 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:

- 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 (protein kinase B, gamma)
- 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 (melanoma, p16, inhibits CDK4)
- 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 (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)
- Erbb2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)
- 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 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
- Itgb3 integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)



- Jak2 Janus kinase 2
- Kit v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
- 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
- Pdkp1 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 (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)
- 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 (avian)
- Syk spleen tyrosine kinase
- Tlr4 toll-like receptor 4
- Tnf tumor necrosis factor (TNF superfamily, member 2)
- Actb actin, beta
- B2M beta-2-microglobulin
- Gapdh glyceraldehyde-phosphate-dehydrogenase
- Gusb glucuronidase, beta
- Hprt1 hypoxanthine phosphoribosyltransferase 1
- Pgk1 phosphoglycerate kinase 1
- Ppia peptidylprolyl isomerase A (cyclophilin A)
- Rpl13A ribosomal protein L13a

Usage

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