



Human Cancer Pathway Primer Library

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

Description

Contains 88 primer sets directed against cancer-associated 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
- AKT2 v-akt murine thymoma viral oncogene homolog 2
- AKT3 v-akt murine thymoma viral oncogene homolog 3
- ANGPT1 angiopoietin 1
- APAF1 apoptotic peptidase activating factor 1
- ATM ataxia telangiectasia mutated
- BAD BCL2-associated agonist of cell death
- BAX BCL2-associated X protein
- BCL2 B-cell CLL/lymphoma 2
- BCL2L1 BCL2-like 1
- BIRC5 baculoviral IAP repeat containing 5
- BRCA1 breast cancer 1, early onset
- BRCA2 breast cancer 1, early onset
- CASP8 caspase 8, apoptosis-related cysteine peptidase
- CCND1 cyclin D1
- CCNE1 cyclin E1
- CDC25A cell division cycle 25 homolog A (S. pombe)
- CDH1 cadherin 1, type 1, E-cadherin (epithelial)
- CDK2 cyclin-dependent kinase 2
- CDK4 cyclin-dependent kinase 4
- CDKN1A cyclin-dependent kinase inhibitor 1A (p21, Cip1)
- CDKN2A cyclin-dependent kinase inhibitor 2A
- CFLAR CASP8 and FADD-like apoptosis regulator
- CHEK1 checkpoint kinase 1
- CHEK2 checkpoint kinase 2
- COL18A1 collagen, type XVIII, alpha 1
- CTNNB1 catenin (cadherin-associated protein), beta 1, 88kDa
- E2F1 E2F transcription factor 1
- EGFR epidermal growth factor receptor
- ETS2 v-ets erythroblastosis virus E26 oncogene homolog 2 (avian)
- FAS Fas (TNF receptor superfamily, member 6)
- FGF1 fibroblast growth factor 1 (acidic)
- FGFR2 fibroblast growth factor receptor 2
- FIGF c-fos induced growth factor (vascular endothelial growth factor D)
- FOS FBJ murine osteosarcoma viral oncogene homolog
- GRB2 growth factor receptor-bound protein 2
- HGF hepatocyte growth factor (hepapoietin A; scatter factor)
- IFNB1 interferon, beta 1, fibroblast
- IGF1 insulin-like growth factor 1 (somatomedin C)
- ITGA2 integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)
- ITGA3 integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)
- ITGA4 integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)
- ITGAV integrin, alpha V
- ITGB1 integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
- ITGB3 integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)
- JUN jun proto-oncogene
- KISS1 KiSS-1 metastasis-suppressor
- MAP2K1 mitogen-activated protein kinase kinase 1
- MCAM melanoma cell adhesion molecule
- MDM2 Mdm2, p53 E3 ubiquitin protein ligase homolog (mouse)
- MET met proto-oncogene (hepatocyte growth factor receptor)
- MMP2 matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)
- MMP9 matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)
- MTA1 metastasis associated 1



- MTA2 metastasis associated 1 family, member 2
- MUC1 mucin 1, cell surface associated
- MYC V-myc myelocytomatosis viral oncogene homolog (avian)
- NCAM1 neural cell adhesion molecule 1
- 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
- NME4 NME/NM23 nucleoside diphosphate kinase 4
- PDGFA platelet-derived growth factor alpha polypeptide
- PDGFB platelet-derived growth factor beta polypeptide
- PIK3R1 phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
- PLAU plasminogen activator, urokinase
- PLAUR plasminogen activator, urokinase receptor
- PTEN phosphatase and tensin homolog
- RAF1 v-raf-1 murine leukemia viral oncogene homolog 1
- RB1 retinoblastoma 1
- RELA V-rel reticuloendotheliosis viral oncogene homolog A
- S100A4 S100 calcium binding protein A4
- SERPINE1 serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1
- SERPNB2 Data not found
- SYK spleen tyrosine kinase
- TEK TEK tyrosine kinase, endothelial
- TERT telomerase reverse transcriptase
- TGFBI transforming growth factor, beta 1
- TGFBR1 transforming growth factor, beta receptor 1
- THBS1 thrombospondin 1
- TIMP1 TIMP metalloproteinase inhibitor 1
- TNF tumor necrosis factor
- TNFRSF10B tumor necrosis factor receptor superfamily, member 10b
- TNFRSF1A tumor necrosis factor receptor superfamily, member 1A
- TP53 tumor protein p53
- TWIST1 twist homolog 1 (Drosophila)
- VEGFA vascular endothelial growth factor A
- VEGFB vascular endothelial growth factor B
- VEGFC vascular endothelial growth factor C
- 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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