



Human Lung Cancer PCR Primer Library

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

Description

Contains 88 primer sets directed against lung cancer associated 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:

- ADAM28 ADAM metallopeptidase domain 28
- AKR1B10 aldo-keto reductase family 1, member B10 (aldose reductase)
- AKT1 v-akt murine thymoma viral oncogene homolog 1
- ALDH3A1 aldehyde dehydrogenase 3 family, member A1
- ALK anaplastic lymphoma receptor tyrosine kinase
- ANXA3 annexin A3
- ARID1A AT rich interactive domain 1A (SWI-like)
- ASCL4 achaete-scute family bHLH transcription factor 4
- BCL2 B-cell CLL/lymphoma 2
- BIRC4 baculoviral IAP repeat containing 4
- BIRC5 baculoviral IAP repeat containing 5
- BPIFA BPI fold containing family A member 1
- BRAF B-Raf proto-oncogene, serine/threonine kinase
- CADM1 cell adhesion molecule 1
- CAT catalase
- CBLC Cbl proto-oncogene C, E3 ubiquitin protein ligase
- CCND1 cyclin D1
- CCNE1 cyclin E1
- CD24 CD24 molecule
- CD44 CD44 molecule (Indian blood group)
- CD82 CD82 molecule
- CDK2 cyclin-dependent kinase 2
- CDKN2A cyclin-dependent kinase inhibitor 2A
- CEACAM1 carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)
- CEBPG CCAAT/enhancer binding protein (C/EBP), gamma
- CREBBP CREB binding protein
- CRK v-crk avian sarcoma virus CT10 oncogene homolog
- CUL3 cullin 3
- CYP24A1 cytochrome P450, family 24, subfamily A, polypeptide 1
- DDR2 discoidin domain receptor tyrosine kinase 2
- E2F1 E2F transcription factor 1
- EGFR epidermal growth factor receptor
- EP300 E1A binding protein p300
- EPHA7 EPH receptor A7
- ERBB2 erb-b2 receptor tyrosine kinase 2
- ERCC1 excision repair cross-complementation group 1
- ERCC5 excision repair cross-complementation group 5
- EZH2 enhancer of zeste 2 polycomb repressive complex 2 subunit
- FGFR1 fibroblast growth factor receptor 1
- FOXP1 forkhead box P1
- GPX1 glutathione peroxidase 1
- GPX3 glutathione peroxidase 3
- GSTM3 glutathione S-transferase mu 3 (brain)
- GSTP1 glutathione S-transferase pi 1
- GSTT1 glutathione S-transferase theta 1
- GSTZ1 glutathione S-transferase zeta 1
- IFNAR2 interferon (alpha, beta and omega) receptor 2
- KEAP1 kelch-like ECH-associated protein 1
- KIT v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
- KMT2A lysine methyltransferase 2A
- KMT2D lysine methyltransferase 2D
- KRAS Kirsten rat sarcoma viral oncogene homolog
- MDM2 MDM2 proto-oncogene, E3 ubiquitin protein ligase
- MET MET proto-oncogene, receptor tyrosine kinase
- MGST1 microsomal glutathione S-transferase 1
- MMP9 matrix metallopeptidase 9



- MYC v-myc avian myelocytomatosis viral oncogene homolog
- MYCL v-myc avian myelocytomatosis viral oncogene lung carcinoma derived homolog
- MYCN v-myc avian myelocytomatosis viral oncogene neuroblastoma derived homolog
- NF1 neurofibromin 1
- NKX2-1 NK2 homeobox 1
- NOTCH1 notch 1
- NOTCH2 notch 2
- NRAS neuroblastoma RAS viral (v-ras) oncogene homolog
- PDGFRA platelet-derived growth factor receptor, alpha polypeptide
- PIK3CA phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha
- PLUNC Data not found
- PTEN phosphatase and tensin homolog
- RAD51 RAD51 recombinase
- RB1 retinoblastoma 1
- RET ret proto-oncogene
- ROS1 C-ros oncogene 1 , receptor tyrosine kinase
- S100A4 S100 calcium binding protein A4
- S100P S100 calcium binding protein P
- SETD2 SET domain containing 2
- SLIT2 slit homolog 2 (Drosophila)
- SMARCA4 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
- SOD1 superoxide dismutase 1, soluble
- SOX2 SRY (sex determining region Y)-box 2
- SPP1 secreted phosphoprotein 1
- TP53 tumor protein p53
- TP63 tumor protein p63
- TSC1 tuberous sclerosis 1
- TSC2 tuberous sclerosis 2
- VEGFA vascular endothelial growth factor A
- XAF1 XIAP associated factor 1
- XPF xeroderma pigmentosum, complementation group F
- XRCC1 X-ray repair complementing defective repair in Chinese hamster cells 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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