



Human Liver Cancer Primer Library

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

Description

Contains 88 primer sets directed against liver cancer associated genes plus 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:

- AFP alpha-fetoprotein
- ALB albumin
- ANGPT1 angiopoietin 1
- ARID1A AT rich interactive domain 1A (SWI-like)
- ARID1B AT rich interactive domain 1B (SWI1-like)
- ARID2 AT rich interactive domain 2 (ARID, RFX-like)
- ARNT2 aryl-hydrocarbon receptor nuclear translocator 2
- AURKA aurora kinase A
- AXIN1 axin 1
- AXIN2 axin 2
- BCL6 B-cell CLL/lymphoma 6
- BIRC5 baculoviral IAP repeat containing 5
- BIRC7 baculoviral IAP repeat containing 7
- BTG1 B-cell translocation gene 1, anti-proliferative
- CBR1 carbonyl reductase 1
- CBR3 carbonyl reductase 3
- CCL20 chemokine (C-C motif) ligand 20
- CCNA2 cyclin A2
- CCND1 cyclin D1
- CCNE1 cyclin E1
- CCT8 chaperonin containing TCP1, subunit 8 (theta)
- CDH1 cadherin 1, type 1, E-cadherin (epithelial)
- CDH3 cadherin 3, type 1, P-cadherin (placental)
- CDKN2A cyclin-dependent kinase inhibitor 2A (p15, inhibits CDK4)
- CDKN2B cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)
- CTNBN1 catenin (cadherin-associated protein), beta 1, 88kDa
- CTSL cathepsin L
- CYTH3 cytohesin 3
- DKK1 dickkopf WNT signaling pathway inhibitor 1
- DLX4 distal-less homeobox 4
- CEBPB CCAAT/enhancer binding protein (C/EBP), beta
- EGFR epidermal growth factor receptor
- EZH2 enhancer of zeste 2 polycomb repressive complex 2 subunit
- F2 coagulation factor II (thrombin)
- FBLN5 Fibulin 5
- FBXW7 F-box and WD repeat domain containing 7, E3 ubiquitin protein ligase
- FGF19 fibroblast growth factor 19
- FGF2 fibroblast growth factor 2 (basic)
- FN1 fibronectin 1
- FUCA1 fucosidase, alpha-L- 1, tissue
- GGT1 gamma-glutamyltransferase 1
- GLUL glutamate-ammonia ligase
- GOLM1 golgi membrane protein 1
- GOLPH3 golgi phosphoprotein 3 (coat-protein)
- GPC3 glypican 3
- GPX3 glutathione peroxidase 3
- GSC gooseoid homeobox
- HERC5 HECT and RLD domain containing E3 ubiquitin protein ligase 5
- HGF hepatocyte growth factor (hepapoietin A; scatter factor)
- HSF1 heat shock transcription factor 1
- IGF2 insulin-like growth factor 2
- IGFBP1 insulin-like growth factor binding protein 1
- IL6 interleukin 6
- IRF2 interferon regulatory factor 2
- ISG15 ISG15 ubiquitin-like modifier
- KPNA2 karyopherin alpha 2 (RAG cohort 1, importin alpha 1)
- LGALS3 lectin, galactoside-binding, soluble, 3
- LGALS4 lectin, galactoside-binding, soluble, 4
- MACC1 metastasis associated in colon cancer 1
- MAGED2 melanoma antigen family D2
- MAGED4 melanoma antigen family D4



- SLC16A3 solute carrier family 16, member 3 (monocarboxylic acid transporter 4)
- MET MET proto-oncogene, receptor tyrosine kinase
- MKI67 marker of proliferation Ki-67
- MLL4 myeloid/lymphoid or mixed-lineage leukemia 4
- MRC2 mannose receptor, C type 2
- PDGFRA platelet-derived growth factor receptor, alpha polypeptide
- PDGFRB platelet-derived growth factor receptor, beta polypeptide
- PKM pyruvate kinase, muscle
- PLK1 polo-like kinase 1
- PTP4A1 protein tyrosine phosphatase type IVA, member 1
- RARB retinoic acid receptor, beta
- ROCK1 Rho-associated, coiled-coil containing protein kinase 1
- SENP5 SUMO1/sentrin specific peptidase 5
- SERPINB3 serpin peptidase inhibitor, clade B (ovalbumin), member 3
- SIRT1 sirtuin 1
- T T, brachyury homolog (mouse)
- TERT telomerase reverse transcriptase
- TGFB1 transforming growth factor, beta 1
- TNFAIP8L1 TNF alpha induced protein 8 like 1
- TP53 tumor protein p53
- TPX2 TPX2, microtubule-associated
- TREM1 triggering receptor expressed on myeloid cells 1
- UBE2Q1 ubiquitin-conjugating enzyme E2Q family member 1
- UBE4B ubiquitination factor E4B
- VEGFA vascular endothelial growth factor A
- VIL1 villin 1
- YY1AP1 YY1 associated protein 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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