



Human Brain Cancer Primer Library

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

Description

Contains 88 primer sets directed against brain 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:

- ADAMTS3 ADAM metallopeptidase with thrombospondin type 1 motif, 3
- AKT1 v-akt murine thymoma viral oncogene homolog 1
- ANXA1 annexin A1
- APOD apolipoprotein D
- ARAF A-Raf proto-oncogene, serine/threonine kinase
- ATM ATM serine/threonine kinase
- BAMBI BMP and activin membrane-bound inhibitor
- BRAF B-Raf proto-oncogene, serine/threonine kinase
- CALU calumenin
- CCND1 cyclin D1
- CCND2 cyclin D2
- CD163 CD163 molecule
- CD59 CD59 molecule, complement regulatory protein
- CDKN1A cyclin-dependent kinase inhibitor 1A (p21, Cip1)
- CDKN1B cyclin-dependent kinase inhibitor 1B (p27, Kip1)
- CELSR1 cadherin, EGF LAG seven-pass G-type receptor 1
- CHI3L1 chitinase 3-like 1 (cartilage glycoprotein-39)
- CIAPIN1 cytokine induced apoptosis inhibitor 1
- COX7A2 cytochrome c oxidase subunit VIIa polypeptide 2 (liver)
- CSF1 colony stimulating factor 1 (macrophage)
- DDX27 DEAD (Asp-Glu-Ala-Asp) box polypeptide 27
- EGFR epidermal growth factor receptor
- ERBB2 erb-b2 receptor tyrosine kinase 2
- ERBB3 erb-b2 receptor tyrosine kinase 3
- FGFR1 fibroblast growth factor receptor 1
- FGFR2 fibroblast growth factor receptor 2
- FLNA filamin A, alpha
- FOXO1 forkhead box O1
- FOXO3 forkhead box O3
- GAB1 GRB2-associated binding protein 1
- GALNS galactosamine (N-acetyl)-6-sulfatase
- GMDS GDP-mannose 4,6-dehydratase
- GNPTAB N-acetylglucosamine-1-phosphate transferase, alpha and beta subunits
- HINT1 histidine triad nucleotide binding protein 1
- HRAS Harvey rat sarcoma viral oncogene homolog
- IDH2 isocitrate dehydrogenase 2 (NADP+), mitochondrial
- IGF1R insulin-like growth factor 1 receptor
- IGFBP2 insulin-like growth factor binding protein 2, 36kDa
- IRS1 insulin receptor substrate 1
- ISLR immunoglobulin superfamily containing leucine-rich repeat
- ITGB3BP integrin beta 3 binding protein (beta3-endonexin)
- ITPKB inositol-trisphosphate 3-kinase B
- KCNMA1 potassium channel, calcium activated large conductance subfamily M alpha, member 1
- KRAS Kirsten rat sarcoma viral oncogene homolog
- MAB21L1 mab-21-like 1 (C. elegans)
- MAPK1 mitogen-activated protein kinase 1
- MAPK3 mitogen-activated protein kinase 3
- MDM2 MDM2 proto-oncogene, E3 ubiquitin protein ligase
- MET MET proto-oncogene, receptor tyrosine kinase
- NBEA neurobeachin
- NDUFS2 NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)
- NID1 nidogen 1



- NRAS neuroblastoma RAS viral (v-ras) oncogene homolog
- NRCAM neuronal cell adhesion molecule
- NUP62CL nucleoporin 62kDa C-terminal like
- OLIG2 oligodendrocyte lineage transcription factor 2
- OR10H3 olfactory receptor, family 10, subfamily H, member 3
- PAFAH1B3 platelet-activating factor acetylhydrolase 1b, catalytic subunit 3 (29kDa)
- PDGFC platelet derived growth factor C
- PDGFRA platelet-derived growth factor receptor, alpha polypeptide
- PDGFRB platelet-derived growth factor receptor, beta polypeptide
- PDS5B PDS5 cohesin associated factor B
- PIK3CA phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha
- PIK3CB phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta
- PIK3CD phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit delta
- PIK3R1 phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
- PIK3R2 phosphoinositide-3-kinase, regulatory subunit 2 (beta)
- PPIA peptidylprolyl isomerase A (cyclophilin A)
- PRPF40A PRP40 pre-mRNA processing factor 40 homolog A (*S. cerevisiae*)
- PSG9 pregnancy specific beta-1-glycoprotein 9
- PTEN phosphatase and tensin homolog
- PTN pleiotrophin
- PURA purine-rich element binding protein A
- RAF1 Raf-1 proto-oncogene, serine/threonine kinase
- RB1 retinoblastoma 1
- RB1CC1 RB1-inducible coiled-coil 1
- SALL1 spalt-like transcription factor 1
- SEMA3E sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E
- SNRNPB small nuclear ribonucleoprotein polypeptide B
- SRC SRC proto-oncogene, non-receptor tyrosine kinase
- SRI sorcin
- TIA1 TIA1 cytotoxic granule-associated RNA binding protein
- TLE4 transducin-like enhancer of split 4
- TNKS2 tankyrase, TRF1-interacting ankyrin-related ADP- ribose polymerase 2
- TP53 tumor protein p53
- TRIM8 tripartite motif containing 8
- WAS Wiskott-Aldrich syndrome
- ZNF280A zinc finger protein 280A
- 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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