



Human ERBB Signaling Primer Library

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

Description

Contains 88 primer sets directed against ERBB signaling 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:

- ABL1 ABL proto-oncogene 1, non-receptor tyrosine kinase
- 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
- ARAF A-Raf proto-oncogene, serine/threonine kinase
- AREG amphiregulin
- BAD BCL2-associated agonist of cell death
- BCL2 B-cell CLL/lymphoma 2
- BCL2L11 BCL2-like 11 (apoptosis facilitator)
- BIRC5 baculoviral IAP repeat containing 5
- BRAF B-Raf proto-oncogene, serine/threonine kinase
- BTC betacellulin
- CAMK2A calcium/calmodulin-dependent protein kinase II alpha
- CAMK2B calcium/calmodulin-dependent protein kinase II beta
- CAMK2D calcium/calmodulin-dependent protein kinase II delta
- CAMK2G calcium/calmodulin-dependent protein kinase II gamma
- CBL Cbl proto-oncogene, E3 ubiquitin protein ligase
- CBLB Cbl proto-oncogene B, E3 ubiquitin protein ligase
- CCND1 cyclin D1
- CDKN1A cyclin-dependent kinase inhibitor 1A (p21, Cip1)
- CDKN1B cyclin-dependent kinase inhibitor 1B (p27, Kip1)
- CRK v-crck avian sarcoma virus CT10 oncogene homolog
- CRKL v-crck avian sarcoma virus CT10 oncogene homolog-like
- E2F2 E2F transcription factor 2
- EGF epidermal growth factor
- EGFR epidermal growth factor receptor
- EIF4EBP1 eukaryotic translation initiation factor 4E binding protein 1
- ELK1 ELK1, member of ETS oncogene family
- ERBB2 erb-b2 receptor tyrosine kinase 2
- ERBB3 erb-b2 receptor tyrosine kinase 3
- ERBB4 erb-b2 receptor tyrosine kinase 4
- EREG epiregulin
- FOXA1 forkhead box A1
- FOXO1 forkhead box O1
- GAB1 GRB2-associated binding protein 1
- GRB2 growth factor receptor-bound protein 2
- GSK3A glycogen synthase kinase 3 alpha
- GSK3B glycogen synthase kinase 3 beta
- HIF1A hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
- HRAS Harvey rat sarcoma viral oncogene homolog
- IGF1R insulin-like growth factor 1 receptor
- JUN jun proto-oncogene
- KRAS Kirsten rat sarcoma viral oncogene homolog
- MAP2K1 mitogen-activated protein kinase kinase 1
- MAP2K2 mitogen-activated protein kinase kinase 2
- MAP2K4 mitogen-activated protein kinase kinase 4
- MAP2K7 mitogen-activated protein kinase kinase 7
- MAPK10 mitogen-activated protein kinase 10
- MAPK8 mitogen-activated protein kinase 8
- MAPK9 mitogen-activated protein kinase 9
- MDM2 MDM2 proto-oncogene, E3 ubiquitin protein ligase
- MTOR mechanistic target of rapamycin (serine/threonine kinase)



- MYC V-myc myelocytomatosis viral oncogene homolog (avian)
- NCK1 NCK adaptor protein 1
- NCK2 NCK adaptor protein 2
- NRAS neuroblastoma RAS viral (v-ras) oncogene homolog
- NRG1 neuregulin 1
- NRG2 neuregulin 2
- NRG3 neuregulin 3
- NRG4 neuregulin 4
- PAK1 p21 protein (Cdc42/Rac)-activated kinase 1
- PAK2 p21 protein (Cdc42/Rac)-activated kinase 2
- PAK3 p21 protein (Cdc42/Rac)-activated kinase 3
- PAK4 p21 protein (Cdc42/Rac)-activated kinase 4
- PAK6 p21 protein (Cdc42/Rac)-activated kinase 6
- PDK1 pyruvate dehydrogenase kinase, isozyme 1
- PIK3CA phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha
- PIK3CB phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta
- PLCG1 phospholipase C, gamma 1
- PLCG2 phospholipase C, gamma 2 (phosphatidylinositol-specific)
- PRKCA protein kinase C, alpha
- PRKCB protein kinase C, beta
- PRKCG protein kinase C, gamma
- PTEN phosphatase and tensin homolog
- PTK2 protein tyrosine kinase 2
- PTPN21 protein tyrosine phosphatase, non-receptor type 21
- RAF1 Raf-1 proto-oncogene, serine/threonine kinase
- RPS6KB1 ribosomal protein S6 kinase, 70kDa, polypeptide 1
- RPS6KB2 ribosomal protein S6 kinase, 70kDa, polypeptide 2
- SHC1 SHC (Src homology 2 domain containing) transforming protein 1
- SHC2 SHC (Src homology 2 domain containing) transforming protein 2
- SOS1 son of sevenless homolog 1
- SOS2 son of sevenless homolog 2
- SRC SRC proto-oncogene, non-receptor tyrosine kinase
- STAT5A signal transducer and activator of transcription 5A
- STAT5B signal transducer and activator of transcription 5B
- TGFA transforming growth factor, alpha
- TP53 tumor protein p53
- 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

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.