



## Human Kinase Library II

**Catalog No:** HKIN-2  
**Supplier:** RealTimePrimers  
**Lot No:** XXXXX  
**Supplied as:** solid  
**Stability:** store at -20°C

### Description

Contains 96 primer sets directed against human kinase 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:

- EFNA2 ephrin-A2
- EFNA3 ephrin-A3
- EFNA4 ephrin-A4
- EFNA5 ephrin-A5
- EFNB1 ephrin-B1
- EFNB2 ephrin-B2
- EFNB3 ephrin-B3
- EGFR epidermal growth factor receptor
- EIF2AK1 eukaryotic translation initiation factor 2-alpha kinase 1
- EIF2AK2 eukaryotic translation initiation factor 2-alpha kinase 2
- EIF2AK3 eukaryotic translation initiation factor 2-alpha kinase 3
- EPHA3 EPH receptor A3
- EPHA4 EPH receptor A4
- EPHA5 EPH receptor A5
- EPHA8 EPH receptor A8
- EPHB3 EPH receptor B3
- EPHB4 EPH receptor B4
- ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog
- ERBB3 v-erb-b2 erythroblastic leukemia viral oncogene homolog 3
- ERBB4 v-erb-a erythroblastic leukemia viral oncogene homolog 4
- ERN1 endoplasmic reticulum to nucleus signaling 1
- FER fer (fps/fes related) tyrosine kinase
- FES feline sarcoma oncogene
- FGFR1 fibroblast growth factor receptor 1
- FGFR2 fibroblast growth factor receptor 2
- FGFR4 fibroblast growth factor receptor 4
- FGR Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog
- FKBP1A FK506 binding protein 1A, 12kDa
- FLT1 fms-related tyrosine kinase 1
- FLT3 fms-related tyrosine kinase 3
- FLT4 fms-related tyrosine kinase 4
- FRK fyn-related kinase
- FYN FYN oncogene related to SRC, FGR, YES
- GCK glucokinase (hexokinase 4)
- GEM GTP binding protein overexpressed in skeletal muscle
- GIT1 G protein-coupled receptor kinase interacting ArfGAP 1
- GIT2 G protein-coupled receptor kinase interacting ArfGAP 2
- GRK6 G protein-coupled receptor kinase 6
- GSK3A glycogen synthase kinase 3 alpha
- GSK3B glycogen synthase kinase 3 beta
- GTF2I general transcription factor Iii
- GUCY2C guanylate cyclase 2C (heat stable enterotoxin receptor)
- GUCY2F guanylate cyclase 2F, retinal
- HCK hemopoietic cell kinase
- HIPK2 homeodomain interacting protein kinase 2
- HK1 hexokinase 1
- HK2 hexokinase 2
- HK3 hexokinase 3
- HSPB8 heat shock 22kDa protein 8
- HUNK hormonally up-regulated Neu-associated kinase
- ICK intestinal cell (MAK-like) kinase
- IGF1R insulin-like growth factor 1 receptor
- IKKB inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
- ILK integrin-linked kinase
- INPP5K inositol polyphosphate-5-phosphatase K
- INSR insulin receptor
- INSRR insulin receptor-related receptor
- IRAK1 interleukin-1 receptor-associated kinase 1
- IRAK2 interleukin-1 receptor-associated kinase 2
- IRAK4 interleukin-1 receptor-associated kinase 4
- ITK IL2-inducible T-cell kinase
- ITPKA inositol-trisphosphate 3-kinase A
- ITPKC inositol-trisphosphate 3-kinase C
- JAK1 Janus kinase 1



- JAK2 Janus kinase 2
- JAK3 Janus kinase 3
- KDR kinase insert domain receptor (a type III receptor tyrosine kinase)
- KIT v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
- LATS1 LATS, large tumor suppressor, homolog 1
- LATS2 LATS, large tumor suppressor, homolog 2
- LCK lymphocyte-specific protein tyrosine kinase
- LIMK1 LIM domain kinase 1
- LIMK2 LIM domain kinase 2
- LYN v-yes-1 Yamaguchi sarcoma viral related oncogene homolog
- MADD MAP-kinase activating death domain
- MAP2K1 mitogen-activated protein kinase kinase 1
- MAP2K2 mitogen-activated protein kinase kinase 2
- MAP2K3 mitogen-activated protein kinase kinase 3
- MAP2K4 mitogen-activated protein kinase kinase 4
- MAP2K5 mitogen-activated protein kinase kinase 5
- MAP2K6 mitogen-activated protein kinase kinase 6
- MAP2K7 mitogen-activated protein kinase kinase 7
- MAP3K10 mitogen-activated protein kinase kinase kinase 10
- MAP3K14 mitogen-activated protein kinase kinase kinase 14
- MAP3K2 mitogen-activated protein kinase kinase kinase 2
- MAP3K3 mitogen-activated protein kinase kinase kinase 3
- MAP3K4 mitogen-activated protein kinase kinase kinase 4
- MAP3K5 mitogen-activated protein kinase kinase kinase 5
- MAP3K7 mitogen-activated protein kinase kinase kinase 7
- MAP4K4 mitogen-activated protein kinase kinase kinase kinase 4
- MAPK1 mitogen-activated protein kinase 1
- MAPK10 mitogen-activated protein kinase 10
- MAPK11 mitogen-activated protein kinase 11
- MAPK12 mitogen-activated protein kinase 12
- MAPK13 mitogen-activated protein kinase 13
- MAPK14 mitogen-activated protein kinase 14

#### Usage

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