



## Human FGF Receptor Signaling Primer Library

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

### Description

Contains 88 primer sets directed against FGF 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:

- FGF1 fibroblast growth factor 1 (acidic)
- FGF2 fibroblast growth factor 2 (basic)
- FGF3 fibroblast growth factor 3
- FGF4 fibroblast growth factor 4
- FGF5 fibroblast growth factor 5
- FGF7 fibroblast growth factor 7
- FGF8 fibroblast growth factor 8 (androgen-induced)
- FGF9 fibroblast growth factor 9 (glia-activating factor)
- FGF10 fibroblast growth factor 10
- FGF12 fibroblast growth factor 12
- FGF13 fibroblast growth factor 13
- FGF14 fibroblast growth factor 14
- FGF17 fibroblast growth factor 17
- FGF19 fibroblast growth factor 19
- FGF20 fibroblast growth factor 20
- FGF21 fibroblast growth factor 21
- FGF23 fibroblast growth factor 23
- FGFR1 fibroblast growth factor receptor 1
- FGFR2 fibroblast growth factor receptor 2
- FGFR3 fibroblast growth factor receptor 3
- FRS2 fibroblast growth factor receptor substrate 2
- GPLD1 glycosylphosphatidylinositol specific phospholipase D1
- GRB2 growth factor receptor-bound protein 2
- HRAS v-Ha-ras Harvey rat sarcoma viral oncogene homolog
- ITPR1 inositol 1,4,5-trisphosphate receptor, type 1
- ITPR2 inositol 1,4,5-trisphosphate receptor, type 2
- ITPR3 inositol 1,4,5-trisphosphate receptor, type 3
- KRAS v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
- 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
- MAP3K1 mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase
- 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
- 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
- MAPK3 mitogen-activated protein kinase 3
- MAPK8 mitogen-activated protein kinase 8
- MAPK9 mitogen-activated protein kinase 9
- MRAS muscle RAS oncogene homolog
- NRAS neuroblastoma RAS viral (v-ras) oncogene homolog
- PIK3C2A phosphoinositide-3-kinase, class 2, alpha polypeptide
- PIK3C2B phosphoinositide-3-kinase, class 2, beta polypeptide
- PIK3C2G phosphoinositide-3-kinase, class 2, gamma polypeptide
- PIK3C3 phosphoinositide-3-kinase, class 3



- PIK3CA phosphoinositide-3-kinase, catalytic, alpha polypeptide
- PIK3CB phosphoinositide-3-kinase, catalytic, beta polypeptide
- PIK3CD phosphoinositide-3-kinase, catalytic, delta polypeptide
- PIK3R1 phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
- PIK3R2 phosphoinositide-3-kinase, regulatory subunit 2 (beta)
- PIK3R3 phosphoinositide-3-kinase, regulatory subunit 3 (gamma)
- PIK3R4 phosphoinositide-3-kinase, regulatory subunit 4
- PIK3R5 phosphoinositide-3-kinase, regulatory subunit 5
- PLCG1 phospholipase C, gamma 1
- PLCG2 phospholipase C, gamma 2 (phosphatidylinositol- specific)
- PLD1 phospholipase D1, phosphatidylcholine-specific
- PLD2 phospholipase D2
- PLD3 phospholipase D family, member 3
- PRKCA protein kinase C, alpha
- PRKCB protein kinase C, beta
- PRKCD protein kinase C, delta
- PRKCE protein kinase C, epsilon
- PRKCG protein kinase C, gamma
- PRKCH protein kinase C, eta
- PRKCI protein kinase C, iota
- PRKCQ protein kinase C, theta
- PRKCZ protein kinase C, zeta
- PRKD1 protein kinase D1
- PRKD3 protein kinase D3
- RAC1 ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
- RAF1 v-raf-1 murine leukemia viral oncogene homolog 1
- RALA v-ral simian leukemia viral oncogene homolog A (ras related)
- RALB v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)
- RALBP1 rala binding protein 1
- RALGDS ral guanine nucleotide dissociation stimulator
- RASA1 RAS p21 protein activator (GTPase activating protein) 1
- RRAS related RAS viral (r-ras) oncogene homolog
- RRAS2 related RAS viral (r-ras) oncogene homolog 2
- SOS1 son of sevenless homolog 1 (Drosophila)
- 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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