



## Human Interferon Type I Signaling Primer Library

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

### Description

Contains 88 primer sets directed against human type I interferon related 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:

- CBL Cbl proto-oncogene, E3 ubiquitin protein ligase
- CREB1 cAMP responsive element binding protein 1
- CRK1 v-crk avian sarcoma virus CT10 oncogene homolog
- CRKL v-crk avian sarcoma virus CT10 oncogene homolog- like
- CXCL9 chemokine (C-X-C motif) ligand 9
- EIF4A1 eukaryotic translation initiation factor 4A1
- EIF4B eukaryotic translation initiation factor 4B
- EIF4EBP1 eukaryotic translation initiation factor 4E binding protein 1
- FOXO3 forkhead box O3
- FYN FYN proto-oncogene, Src family tyrosine kinase
- GAB2 GRB2-associated binding protein 2
- GNB2L1 guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1
- GSK3A glycogen synthase kinase 3 alpha
- GSK3B glycogen synthase kinase 3 beta
- HDAC3 histone deacetylase 3
- IFNA1 interferon, alpha 1
- IFNA10 interferon, alpha 10
- IFNA13 interferon, alpha 13
- IFNA14 interferon, alpha 14
- IFNA16 interferon, alpha 16
- IFNA17 interferon, alpha 17
- IFNA2 interferon, alpha 2
- IFNA21 interferon, alpha 21
- IFNA4 interferon, alpha 4
- IFNA5 interferon, alpha 5
- IFNA6 interferon, alpha 6
- IFNA7 interferon, alpha 7
- IFNA8 interferon, alpha 8
- IFNAR1 interferon (alpha, beta and omega) receptor 1
- IFNAR2 interferon (alpha, beta and omega) receptor 2
- IFNB1 interferon, beta 1, fibroblast
- IFNK interferon, kappa
- IFNW1 interferon, omega 1
- IL10 interleukin 10
- IRF1 interferon regulatory factor 1
- IRF7 interferon regulatory factor 7
- IRF9 interferon regulatory factor 9
- IRS1 insulin receptor substrate 1
- IRS2 insulin receptor substrate 2
- JAK1 Janus kinase 1
- LCK LCK proto-oncogene, Src family tyrosine kinase
- MAP2K3 mitogen-activated protein kinase kinase 3
- MAP2K6 mitogen-activated protein kinase kinase 6
- MAP3K1 mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase
- MAPK14 mitogen-activated protein kinase 14
- MAPKAP1 mitogen-activated protein kinase associated protein 1
- MLST8 MTOR associated protein, LST8 homolog (*S. cerevisiae*)
- MTOR mechanistic target of rapamycin (serine/threonine kinase)
- MX1 MX dynamin-like GTPase 1
- NFKB1 nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
- OAS 2'-5'-oligoadenylate synthetase 1, 40/46kDa
- PDCD4 programmed cell death 4 (neoplastic transformation inhibitor)
- PIAS1 protein inhibitor of activated STAT, 1
- PIAS3 protein inhibitor of activated STAT, 3
- 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)
- PRMT1 protein arginine methyltransferase 1
- PTK2B Protein tyrosine kinase 2 beta
- PTPN11 protein tyrosine phosphatase, non-receptor type 11
- PTPN22 protein tyrosine phosphatase, non-receptor type 22 (lymphoid)
- PTPN6 protein tyrosine phosphatase, non-receptor type 6
- PTPRC protein tyrosine phosphatase, receptor type, C
- RAC1 ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
- RAP1A RAP1A, member of RAS oncogene family
- RAPGEF1 Rap guanine nucleotide exchange factor (GEF) 1
- REL v-rel avian reticuloendotheliosis viral oncogene homolog
- RELB v-rel avian reticuloendotheliosis viral oncogene homolog A
- RPS6 ribosomal protein S6
- RPS6KA4 ribosomal protein S6 kinase, 90kDa, polypeptide 4
- RPS6KA5 ribosomal protein S6 kinase, 90kDa, polypeptide 5
- RPS6KB1 ribosomal protein S6 kinase, 70kDa, polypeptide 1
- RPTOR regulatory associated protein of MTOR, complex 1
- SIN3A SIN3 transcription regulator family member A
- SOCS1 suppressor of cytokine signaling 1
- SOCS3 suppressor of cytokine signaling 3
- STAT1 signal transducer and activator of transcription 1, 91kDa
- STAT2 signal transducer and activator of transcription 2, 113kDa
- STAT3 signal transducer and activator of transcription 3 (acute-phase response factor)
- STAT5A signal transducer and activator of transcription 5A
- STAT5B signal transducer and activator of transcription 5B
- STAT6 signal transducer and activator of transcription 6, interleukin-4 induced
- SYK spleen tyrosine kinase
- TRAF3 TNF receptor-associated factor 3
- TYK2 tyrosine kinase 2
- USP18 ubiquitin specific peptidase 18
- VAV1 vav 1 guanine nucleotide exchange factor
- ZAP70 zeta-chain (TCR) associated protein kinase 70kDa
- ACTB Actin, beta
- B2M Beta-2-microglobulin
- GAPDH Glyceraldehyde-3-phosphate dehydrogenase
- GUSB Glucuronidase, beta
- HPRT1 Hypoxanthine phosphoribosyltransferase 1
- Pfkfb3 Phosphoglycerate kinase 1
- PPIA Peptidylprolyl isomerase A
- RPL13A Ribosomal protein L13a

### Usage

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