



## Human Rho GTPase-Signaling Primer Library

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

### Description

Contains 88 primer sets directed against Rho GTPase signaling genes and 8 housekeeping 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:

- ABL1 c-abl oncogene 1, non-receptor tyrosine kinase
- AKT1 v-akt murine thymoma viral oncogene homolog 1
- APC adenomatous polyposis coli
- ARHGAP1 Rho GTPase activating protein 1
- ARHGAP4 Rho GTPase activating protein 4
- ARHGAP5 Rho GTPase activating protein 5
- ARHGAP6 Rho GTPase activating protein 6
- ARHGAP8 Rho GTPase activating protein 8
- ARHGEF1 Rho guanine nucleotide exchange factor (GEF) 1
- ARHGEF11 Rho guanine nucleotide exchange factor (GEF) 11
- ARHGEF12 Rho guanine nucleotide exchange factor (GEF) 12
- ARHGEF2 Rho/Rac guanine nucleotide exchange factor (GEF) 2
- ARHGEF3 Rho guanine nucleotide exchange factor (GEF) 3
- ARHGEF4 Rho guanine nucleotide exchange factor (GEF) 4
- ARHGEF5 Rho guanine nucleotide exchange factor (GEF) 5
- ARHGEF6 Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6
- ARHGEF7 Rho guanine nucleotide exchange factor (GEF) 7
- ARHGEF9 Cdc42 guanine nucleotide exchange factor (GEF) 9
- AURKB aurora kinase B
- CAMK1 calcium/calmodulin-dependent protein kinase I
- CDC42 cell division cycle 42 (GTP binding protein, 25kDa)
- CDK1 cyclin-dependent kinase 1
- CFL1 cofilin 1 (non-muscle)
- CFL2 cofilin 2 (muscle)
- CHN1 chimerin (chimaerin) 1
- CHN2 chimerin (chimaerin) 2
- CLASP1 cytoplasmic linker associated protein 1
- CLASP2 cytoplasmic linker associated protein 2
- DLC1 deleted in liver cancer 1
- DVL1 dishevelled, dsh homolog 1 (Drosophila)
- EB1 estrogen receptor binding CpG island
- ERK elk-related tyrosine kinase
- FAM13A family with sequence similarity 13, member A
- FAM13B family with sequence similarity 13, member B
- GMIP GEM interacting protein
- GNA11 guanine nucleotide binding protein (G protein), alpha 11 (Gq class)
- GNA12 guanine nucleotide binding protein (G protein) alpha 12
- GNAI1 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1
- GNAI2 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2
- GNAI3 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3
- GSK3B glycogen synthase kinase 3 beta
- HMHA1 histocompatibility (minor) HA-1
- IGF1 insulin-like growth factor 1 (somatomedin C)
- IGF1R insulin-like growth factor 1 receptor
- IGF2 insulin-like growth factor 2 (somatomedin A)
- LIMK1 LIM domain kinase 1
- LIMK2 LIM domain kinase 2
- LPAR1 lysophosphatidic acid receptor 1
- LPAR2 lysophosphatidic acid receptor 2
- MAP1B microtubule-associated protein 1B
- MARK2 MAP/microtubule affinity-regulating kinase 2
- MYH1 myosin, heavy chain 1, skeletal muscle, adult
- MYH10 myosin, heavy chain 10, non-muscle



- MYH11 myosin, heavy chain 11, smooth muscle
- MYH6 myosin, heavy chain 6, cardiac muscle, alpha
- MYH7 myosin, heavy chain 7, cardiac muscle, beta
- MYH9 myosin, heavy chain 9, non-muscle
- MYL2 myosin, light chain 2, regulatory, cardiac, slow
- MYL9 myosin, light chain 9, regulatory
- OPHN1 oligophrenin 1
- PAK1 p21 protein (Cdc42/Rac)-activated kinase 1
- PAR1 Prader-Willi/Angelman region-1
- PRKACA protein kinase, cAMP-dependent, catalytic, alpha
- PTEN phosphatase and tensin homolog
- RAC1 ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
- RHOA ras homolog family member A
- RHPN1 raphilin, Rho GTPase binding protein 1
- RHPN2 raphilin, Rho GTPase binding protein 2
- ROCK1 Rho-associated, coiled-coil containing protein kinase 1
- ROCK2 Rho-associated, coiled-coil containing protein kinase 2
- SH3BP1 SH3-domain binding protein 1
- SPRED1 sprouty-related, EVH1 domain containing 1
- SRC v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)
- SRGAP1 SLIT-ROBO Rho GTPase activating protein 1
- SRGAP2 SLIT-ROBO Rho GTPase activating protein 2
- SRGAP3 SLIT-ROBO Rho GTPase activating protein 3
- STARD13 StAR-related lipid transfer (START) domain containing 13
- STARD8 StAR-related lipid transfer (START) domain containing 8
- STAT3 signal transducer and activator of transcription 3 (acute-phase response factor)
- STMN1 stathmin 1
- STMN2 stathmin-like 2
- TESK2 testis-specific kinase 2
- TIAM1 T-cell lymphoma invasion and metastasis 1
- TLN1 talin 1
- TPPP tubulin polymerization promoting protein
- TRIO triple functional domain (PTPRF interacting)
- VAV1 vav 1 guanine nucleotide exchange factor
- WASF1 WAS protein family, member 1
- ACTB Actin, beta
- B2M Beta-2-microglobulin
- GAPD Glyceraldehyde-3-phosphate dehydrogenase
- GUSB Glucuronidase, beta
- HPRT1 Hypoxanthine phosphoribosyltransferase 1
- PGK Phosphoglycerate kinase 1
- PPIA Peptidylprolyl isomerase A
- RPL13A Ribosomal protein L13a

#### Usage

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