



## Mouse Gdnf Signaling Primer Library

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

### Description

Contains 88 primer sets directed against GDNF 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:

- Abcg2 ATP-binding cassette, sub-family G (WHITE), member 2 (Junior blood group)
- 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
- Artn artemin
- Bad BCL2-associated agonist of cell death
- Bax BCL2-associated X protein
- Bcl2 B-cell CLL/lymphoma 2
- Cdc25A cell division cycle 25A
- Cdk2 cyclin-dependent kinase 2
- Cdkn1A cyclin-dependent kinase inhibitor 1A (p21, Cip1)
- Creb1 cAMP responsive element binding protein 1
- Dag1 dystroglycan 1 (dystrophin-associated glycoprotein 1)
- Dok1 docking protein 1, 62kDa (downstream of tyrosine kinase 1)
- Flt1 fms-related tyrosine kinase 1
- Fos FBJ murine osteosarcoma viral oncogene homolog
- Frs2 fibroblast growth factor receptor substrate 2
- Fyn FYN proto-oncogene, Src family tyrosine kinase
- Gab1 GRB2-associated binding protein 1
- Gab2 GRB2-associated binding protein 2
- Gas1 growth arrest-specific 1
- Gdnf glial cell derived neurotrophic factor
- Gfra1 GDNF family receptor alpha 1
- Gfra2 GDNF family receptor alpha 2
- Gfra3 GDNF family receptor alpha 3
- Gfra4 GDNF family receptor alpha 4
- Grb2 growth factor receptor-bound protein 2
- Hecw2 HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2
- Hes1 hes family bHLH transcription factor 1
- Hey1 hes-related family bHLH transcription factor with YRPW motif 1
- Hif1A hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
- Hras Harvey rat sarcoma viral oncogene homolog
- Ikbkb inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
- Ikbke inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon
- Ikbkg inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
- Il1B interleukin 1, beta
- Il6 interleukin 6
- Il8 interleukin 8
- Irs1 insulin receptor substrate 1
- Irs2 insulin receptor substrate 2
- Itgb1 integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
- Itgb3 integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)
- Jag1 Jagged 1
- Jak1 Janus kinase 1
- Jak2 Janus kinase 2
- Jak3 Janus kinase 3
- Jun jun proto-oncogene
- Kit v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
- Map2K1 mitogen-activated protein kinase kinase 1
- Map2K2 mitogen-activated protein kinase kinase 2
- Map2K7 mitogen-activated protein kinase kinase 7
- Map3K1 mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase
- Mapk1 mitogen-activated protein kinase 1



- Mapk10 mitogen-activated protein kinase 10
- Mapk3 mitogen-activated protein kinase 3
- Mapk8 mitogen-activated protein kinase 8
- Mapk9 mitogen-activated protein kinase 9
- Met MET proto-oncogene, receptor tyrosine kinase
- Mmp2 matrix metalloproteinase 2
- Mmp7 matrix metalloproteinase 7
- Mmp9 matrix metalloproteinase 9
- Myc V-Myc Myelocytomatosis Viral Oncogene Homolog
- Ncam1 neural cell adhesion molecule 1
- Nck1 NCK adaptor protein 1
- Nfkb1 nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
- Notch1 notch 1
- Nrtn neurturin
- Pak1 p21 protein (Cdc42/Rac)-activated kinase 1
- Pdlim7 PDZ and LIM domain 7 (enigma)
- Plcg1 phospholipase C, gamma 1
- Prkca protein kinase C, alpha
- Prom1 prominin 1
- Pspn persephin
- Pten phosphatase and tensin homolog
- Ptk2 protein tyrosine kinase 2
- Raf1 Raf-1 proto-oncogene, serine/threonine kinase
- Ret ret proto-oncogene
- Rps6Ka1 ribosomal protein S6 kinase, 90kDa, polypeptide 1
- Rps6Ka2 ribosomal protein S6 kinase, 90kDa, polypeptide 2
- Shc1 SHC (Src homology 2 domain containing) transforming protein 1
- Sos1 son of sevenless homolog 1 (Drosophila)
- Src SRC proto-oncogene, non-receptor tyrosine kinase
- Tert telomerase reverse transcriptase
- Tff1 trefoil factor 1
- Tnf tumor necrosis factor
- Tp53 tumor protein p53
- Twist1 twist family bHLH transcription factor 1
- Vegfa vascular endothelial growth factor A
- 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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