



Human Parkinson's Disease Primer Library

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

Description

Contains 88 primer sets directed against Parkinson's disease related 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:

- APAF1 apoptotic peptidase activating factor 1
- ATG5 autophagy related 5
- ATG7 autophagy related 7
- ATP13A2 ATPase type 13A2
- ATP6AP2 ATPase, H⁺ transporting, lysosomal accessory protein 2
- ATXN2 ataxin 2
- CASP2 caspase 2, apoptosis-related cysteine peptidase
- CASP3 caspase 3, apoptosis-related cysteine peptidase
- CASP6 caspase 6, apoptosis-related cysteine peptidase
- CASP7 caspase 7, apoptosis-related cysteine peptidase
- CASP9 caspase 9, apoptosis-related cysteine peptidase
- CCNE1 cyclin E1
- CCNE2 cyclin E2
- CYCS cytochrome c, somatic
- DCTN1 dynactin 1
- DDC dopa decarboxylase (aromatic L-amino acid decarboxylase)
- DNAJC13 DnaJ (Hsp40) homolog, subfamily C, member 13
- DRD2 Dopamine receptor D2
- EIF4G1 eukaryotic translation initiation factor 4 gamma, 1
- ERS Data not found
- FBXO2 F-box protein 2
- FBXO7 F-box protein 7
- FBXW7 F-box and WD repeat domain containing 7, E3 ubiquitin protein ligase
- GAK cyclin G associated kinase
- GBA glucosidase, beta, acid
- GLA galactosidase, alpha
- GPNMB glycoprotein (transmembrane) nmb
- GPR37 G protein-coupled receptor 37 (endothelin receptor type B-like)
- GRN granulin
- GSK3A glycogen synthase kinase 3 alpha
- HTRA2 HtrA serine peptidase 2
- LAMP2 lysosomal-associated membrane protein 2
- LAMP3 lysosomal-associated membrane protein 3
- LINGO1 leucine rich repeat and Ig domain containing 1
- LINGO2 leucine rich repeat and Ig domain containing 2
- LRRK1 Leucine-rich repeat kinase 1
- LRRK2 Leucine-rich repeat kinase 2
- M6PR mannose-6-phosphate receptor (cation dependent)
- MAPK11 mitogen-activated protein kinase 11
- MAPK12 mitogen-activated protein kinase 12
- MAPK13 mitogen-activated protein kinase 13
- MAPK14 mitogen-activated protein kinase 14
- MAPT microtubule-associated protein tau
- MCCC1 methylcrotonoyl-CoA carboxylase 1 (alpha)
- MEF2D myocyte enhancer factor 2D
- MFN1 mitofusin 1
- MFN2 mitofusin 2
- NPC1 Niemann-Pick disease, type C1
- NPC2 Niemann-Pick disease, type C2
- NR4A2 nuclear receptor subfamily 4, group A, member 2
- NUCKS1 nuclear casein kinase and cyclin-dependent kinase substrate 1
- PARK16 Parkinson disease 16 (susceptibility)
- PARK2 parkin RBR E3 ubiquitin protein ligase
- PARK7 Parkinson disease (autosomal recessive, early onset) 7
- PINK1 PTEN induced putative kinase 1
- PM20D1 peptidase M20 domain containing 1
- POLG polymerase (DNA directed), gamma
- PRKN Parkin



- RAB29 RAB29, member RAS oncogene family
- SCARB2 scavenger receptor class B, member 2
- SEPT5 septin 5
- SLC41A1 solute carrier family 41 (magnesium transporter), member 1
- SLC45A3 solute carrier family 45, member 3
- SLC6A3 Solute carrier family 6 (neurotransmitter transporter, dopamine), member 3
- SMPD1 sphingomyelin phosphodiesterase 1, acid lysosomal
- SNCA synuclein, alpha (non A4 component of amyloid precursor)
- SNCAIP synuclein, alpha interacting protein
- SQSTM1 sequestosome 1
- SREBF1 sterol regulatory element binding transcription factor 1
- SREBF2 sterol regulatory element binding transcription factor 2
- SYNJ1 synaptojanin 1
- SYT11 synaptotagmin XI
- TFEB transcription factor EB
- TH tyrosine hydroxylase
- TMEM175 transmembrane protein 175
- UBA1 Ubiquitin-like modifier activating enzyme 1
- UBA7 ubiquitin-like modifier activating enzyme 7
- UBB ubiquitin B
- UBE2G1 ubiquitin-conjugating enzyme E2G 1
- UBE2G2 ubiquitin-conjugating enzyme E2G 2
- UBE2J1 ubiquitin-conjugating enzyme E2, J1
- UBE2J2 ubiquitin-conjugating enzyme E2, J2
- UBE2L3 ubiquitin-conjugating enzyme E2L 3
- UBE2L6 Ubiquitin-conjugating enzyme E2L 6
- UCHL1 ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)
- VCP valosin containing protein
- VPS35 vacuolar protein sorting 35
- WASH1 WAS protein family homolog 1
- 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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