



Human Autophagy Primer Library

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

Description

Contains 88 primer sets directed against autophagy 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:

- AKT1S1 AKT1 substrate 1 (proline-rich)
- AMBRA1 Autophagy/beclin-1 regulator 1
- APOL1 Apolipoprotein L, 1
- ATF4 Activating transcription factor 4
- ATG10 ATG10 autophagy related 10 homolog (S. cerevisiae)
- ATG12 ATG12 autophagy related 12 homolog (S. cerevisiae)
- ATG16L1 ATG16 autophagy related 16-like 1 (S. cerevisiae)
- ATG16L2 ATG16 autophagy related 16-like 2 (S. cerevisiae)
- ATG2A ATG2 autophagy related 2 homolog A (S. cerevisiae)
- ATG2B ATG2 autophagy related 2 homolog B (S. cerevisiae)
- ATG3 ATG3 autophagy related 3 homolog (S. cerevisiae)
- ATG4A ATG4 autophagy related 4 homolog A (S. cerevisiae)
- ATG4B ATG4 autophagy related 4 homolog B (S. cerevisiae)
- ATG4C ATG4 autophagy related 4 homolog C (S. cerevisiae)
- ATG4D ATG4 autophagy related 4 homolog D (S. cerevisiae)
- ATG5 ATG5 autophagy related 5 homolog (S. cerevisiae)
- ATG7 ATG7 autophagy related 7 homolog (S. cerevisiae)
- ATG9A ATG9 autophagy related 9 homolog A (S. cerevisiae)
- BARKOR BARKOR (KIAA0831)
- BAX BCL2-associated X protein
- BCL2 B-cell CLL/lymphoma 2
- BCL2L1 BCL2-like 1
- BECLIN1 Beclin1
- BECN1L1 Becn1L1
- BIRC5 Effector cell peptidase receptor 1
- BNIP3 BCL2/adenovirus E1B 19kDa interacting protein 3
- DDIT3 DNA-damage-inducible transcript 3
- DRAM Damage-regulated autophagy modulator
- EIF4EBP1 Eukaryotic translation initiation factor 4E binding protein 1
- EIF4EBP2 Eukaryotic translation initiation factor 4E binding protein 2
- EIF4G1 Eukaryotic translation initiation factor 4 gamma, 1
- EPS15L1 Epidermal growth factor receptor pathway substrate 15-like 1
- FKBP15 FK506 binding protein 15, 133kDa
- FRAP1 FK506 binding protein 12-rapamycin associated protein 1
- FRS2 Fibroblast growth factor receptor substrate 2
- FRS3 Fibroblast growth factor receptor substrate 3
- GABARAP GABA(A) receptor-associated protein
- GABARAPL1 GABA(A) receptor-associated protein like 1
- GABARAPL2 GABA(A) receptor-associated protein-like 2
- GBL G protein beta subunit-like
- GFI1B Growth factor independent 1B transcription repressor
- GNAI3 Guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3
- GPSM1 G-protein signaling modulator 1 (AGS3-like, C. elegans)
- GPSM2 G-protein signaling modulator 2 (AGS3-like, C. elegans)
- GPSM3 G-protein signaling modulator 3 (AGS3-like, C. elegans)
- HIF1A Hypoxia inducible factor 1, alpha
- HSPA5 Heat shock 70kDa protein 5
- LAMP1 Lysosomal-associated membrane protein 1



- LAMP2 Lysosomal-associated membrane protein 2
- LAMP3 Lysosomal-associated membrane protein 3
- LETM1 Leucine zipper-EF-hand containing transmembrane protein 1
- LETM2 Leucine zipper-EF-hand containing transmembrane protein 2
- MAP1LC3A Microtubule-associated protein 1 light chain 3 alpha
- MAP1LC3B Microtubule-associated protein 1 light chain 3 beta
- MAP1LC3B2 Microtubule-associated protein 1 light chain 3 beta 2
- MAP1LC3C Microtubule-associated protein 1 light chain 3 gamma
- MCL1 Myeloid cell leukemia sequence 1 (BCL2-related)
- PIK3C3 Phosphoinositide-3-kinase, class 3
- PIK3R4 Phosphoinositide-3-kinase, regulatory subunit 4
- PPM1K Protein phosphatase 1K (PP2C domain containing)
- RAPTOR Raptor
- RASD1 RAS, dexamethasone-induced 1
- RB1CC1 RB1-inducible coiled-coil 1
- RGS19 Regulator of G-protein signaling 19
- RICTOR Rapamycin-insensitive companion of mTOR
- SEC16A SEC16 homolog A (*S. cerevisiae*)
- SEC16B SEC16 homolog B (*S. cerevisiae*)
- SEC23A Sec23 homolog A (*S. cerevisiae*)
- SEC23B Sec23 homolog B (*S. cerevisiae*)
- SEC24A SEC24 related gene family, member A (*S. cerevisiae*)
- SEC24B SEC24 related gene family, member B (*S. cerevisiae*)
- SEC24C SEC24 related gene family, member C (*S. cerevisiae*)
- SEC24D SEC24 related gene family, member D (*S. cerevisiae*)
- SH3GLB1 SH3-domain GRB2-like endophilin B1
- SH3GLB2 SH3-domain GRB2-like endophilin B2
- SNX30 Sorting nexin family member 30
- SQSTM1 Sequestosome 1
- TP53 Tumor protein p53
- TP73 Tumor protein p73
- TPR Translocated promoter region (to activated MET oncogene)
- ULK1 Unc-51-like kinase 1 (*C. elegans*)
- ULK2 Unc-51-like kinase 2 (*C. elegans*)
- ULK3 Unc-51-like kinase 3 (*C. elegans*)
- ULK4 Unc-51-like kinase 4 (*C. elegans*)
- UVRAG UV radiation resistance associated gene
- WDR45L WDR45-like
- WIPI1 WD repeat domain, phosphoinositide interacting 1
- WIPI2 WD repeat domain, phosphoinositide interacting 2
- 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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