



## Human Alzheimer's Disease Primer Library

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

### Description

Contains 88 primer sets directed against Alzheimer's 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:

- ABCA7 ATP-binding cassette, sub-family A (ABC1), member 7
- ADAM10 ADAM metallopeptidase domain 10
- ADAM17 ADAM metallopeptidase domain 17
- APAF1 apoptotic peptidase activating factor 1
- APBB1 amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65)
- APH1A APH1A gamma secretase subunit
- APOE apolipoprotein E
- APP amyloid beta (A4) precursor protein
- ATF6 activating transcription factor 6
- BACE1 beta-site APP-cleaving enzyme 1
- BAD BCL2-associated agonist of cell death
- BID BH3 interacting domain death agonist
- BIN1 bridging integrator 1
- CACNA1C calcium channel, voltage-dependent, L type, alpha 1C subunit
- CACNA1D calcium channel, voltage-dependent, L type, alpha 1D subunit
- CACNA1F calcium channel, voltage-dependent, L type, alpha 1F subunit
- CACNA1S calcium channel, voltage-dependent, L type, alpha 1S subunit
- CALM1 calmodulin 1 (phosphorylase kinase, delta)
- CALM2 calmodulin 2 (phosphorylase kinase, delta)
- CALM3 calmodulin 3 (phosphorylase kinase, delta)
- CALML3 calmodulin-like 3
- CALML5 calmodulin-like 5
- CAPN1 calpain 1, (mu/I) large subunit
- CAPN2 calpain 2, (m/II) large subunit
- CASP12 caspase 12
- CASP3 caspase 3, apoptosis-related cysteine peptidase
- CASP8 caspase 8, apoptosis-related cysteine peptidase
- CASP9 caspase 9, apoptosis-related cysteine peptidase
- CCL2 chemokine (C-C motif) ligand 2
- CD2AP CD2-associated protein
- CD33 CD33 molecule
- CDK5 cyclin-dependent kinase 5
- CDK5R1 cyclin-dependent kinase 5, regulatory subunit 1 (p35)
- CHP1 calcineurin-like EF-hand protein 1
- CHP2 calcineurin-like EF-hand protein 2
- CLU clusterin
- CR1 complement component (3b/4b) receptor 1 (Knops blood group)
- EIF2AK3 eukaryotic translation initiation factor 2-alpha kinase 3
- ENO2 enolase 2 (gamma, neuronal)
- EPHA1 EPH receptor A1
- ERN1 endoplasmic reticulum to nucleus signaling 1
- FABP1 Fatty acid binding protein 1, liver
- FADD Fas (TNFRSF6)-associated via death domain
- FAS Fas cell surface death receptor
- GFAP glial fibrillary acidic protein
- GNAQ guanine nucleotide binding protein (G protein), q polypeptide
- GRIN1 glutamate receptor, ionotropic, N-methyl D- aspartate 1
- GRIN2A glutamate receptor, ionotropic, N-methyl D- aspartate 2A
- GRIN2B glutamate receptor, ionotropic, N-methyl D- aspartate 2B
- GRIN2C glutamate receptor, ionotropic, N-methyl D- aspartate 2C
- GRIN2D glutamate receptor, ionotropic, N-methyl D- aspartate 2D
- GSK3B glycogen synthase kinase 3 beta
- HSD17B10 hydroxysteroid (17-beta) dehydrogenase 10



- IDE insulin-degrading enzyme
- IL1B interleukin 1, beta
- ITPR1 inositol 1,4,5-trisphosphate receptor, type 1
- ITPR2 inositol 1,4,5-trisphosphate receptor, type 2
- ITPR3 inositol 1,4,5-trisphosphate receptor, type 3
- LPL lipoprotein lipase
- LRP1 low density lipoprotein receptor-related protein 1
- MAPK1 mitogen-activated protein kinase 1
- MAPK3 mitogen-activated protein kinase 3
- MAPT Microtubule-associated protein?au
- MME membrane metallo-endopeptidase
- MS4A6A membrane-spanning 4-domains, subfamily A, member 6A
- NAE1 NEDD8 activating enzyme E1 subunit 1
- NCSTN nicastrin
- NEFL neurofilament, light polypeptide
- NOS1 nitric oxide synthase 1 (neuronal)
- NRGN neurogranin (protein kinase C substrate, RC3)
- PICALM phosphatidylinositol binding clathrin assembly protein
- PLCB1 phospholipase C, beta 1 (phosphoinositide- specific)
- PLCB2 phospholipase C, beta 2
- PLCB3 phospholipase C, beta 3 (phosphatidylinositol- specific)
- PLCB4 phospholipase C, beta 4
- PPP3CA protein phosphatase 3, catalytic subunit, alpha isozyme
- PPP3CB protein phosphatase 3, catalytic subunit, beta isozyme
- PPP3CC protein phosphatase 3, catalytic subunit, gamma isozyme
- PPP3R1 protein phosphatase 3, regulatory subunit B, alpha
- PPP3R2 protein phosphatase 3, regulatory subunit B, beta
- PSEN1 presenilin 1
- PSEN2 presenilin 2
- PSENEN presenilin enhancer gamma secretase subunit
- RYR3 ryanodine receptor 3
- SNCA synuclein, alpha (non A4 component of amyloid precursor)
- TNFRSF1A tumor necrosis factor receptor superfamily, member 1A
- TREM2 triggering receptor expressed on myeloid cells 2
- VSNL1 visinin-like 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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