



Human Amino Acid Metabolism Primer Library

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

Description

Contains 88 primer sets directed against amino acid metabolism 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:

- ACAA1 Acetyl-CoA Acyltransferase 1
- ACADM Acyl-Coenzyme A Dehydrogenase, Medium Chain
- ACLY Atp Citrate Lyase
- ACO2 Aconitase 2, Mitochondrial
- ACSS1 Acyl-CoA Synthetase Short-Chain Family Member 1
- ADH1 Alcohol Dehydrogenase 1 (Class I)
- ADH4 Alcohol Dehydrogenase 4 (Class II), Pi Polypeptide
- ADH5 Alcohol Dehydrogenase 5 (Class III), Chi Polypeptide
- ADH7 Alcohol Dehydrogenase 7 (Class IV), Mu Or Sigma Polypeptide
- ALDH1A1 Aldehyde Dehydrogenase Family 1, Subfamily A1
- ALDH7A1 Aldehyde Dehydrogenase Family 7, Subfamily A1
- AOC3 Amine Oxidase, Copper Containing 3
- ARG1 Arginase, Liver
- ARG2 Arginase Type II
- ASL Argininosuccinate Lyase
- ASS1 Argininosuccinate Synthetase 1
- AUH Au Rna Binding Protein/Enoyl-Coenzyme A Hydratase
- BCAT1 Branched Chain Aminotransferase 1, Cytosolic
- BHMT Betaine--Homocysteine S-Methyltransferase
- CBS Cystathionine-Beta-Synthase
- CS Citrate Synthase
- CTH Cystathionase (Cystathionine Gamma-Lyase)
- DBH Dopamine Beta Hydroxylase
- DDC Dopa Decarboxylase
- DLD Dihydrolipoamide Dehydrogenase
- DLST Dihydrolipoamide S-Succinyltransferase (E2 Component Of 2-Oxo-Glutarate Complex)
- EHHADH Enoyl-CoA, Hydratase/3-Hydroxyacyl CoA Dehydrogenase
- EPRS Glutamyl-Prolyl-Trna Synthetase
- FAH Fumarylacetoacetate Hydrolase
- FH1 Fumarate Hydratase 1
- FTCD Formiminotransferase Cyclodeaminase
- G6PC Glucose-6-Phosphatase, Catalytic Subunit
- GCLC Glutamate-Cysteine Ligase, Catalytic Subunit
- GLS Glutaminase
- GLUD1 Glutamate Dehydrogenase 1
- GLUL Glutamate-Ammonia Ligase
- GOT1 Glutamate Oxaloacetate Transaminase 1, Soluble
- GOT2 Glutamate Oxaloacetate Transaminase 2, Mitochondrial
- GPT Glutamic Pyruvic Transaminase, Soluble
- GSR Glutathione Reductase
- GSS Glutathione Synthetase
- HADH Hydroxyacyl-CoA Dehydrogenase
- HAL Histidine Ammonia Lyase
- HDC Histidine Decarboxylase
- HIBADH 3-Hydroxyisobutyrate Dehydrogenase
- HMGCL 3-Hydroxymethyl-3-Methylglutaryl-CoA Lyase
- HMGCS2 3-Hydroxy-3-Methylglutaryl-Coenzyme A Synthase 2
- HNMT Histamine N-Methyltransferase
- IDH1 Isocitrate Dehydrogenase 1 (Nadp+), Soluble
- IDH1 Isocitrate Dehydrogenase 1 (Nadp+), Soluble
- LARS Leucyl-Trna Synthetase
- LARS2 Leucyl-Trna Synthetase, Mitochondrial
- MAOA Monoamine Oxidase A
- MARS2 Methionine-Trna Synthetase 2 (Mitochondrial)
- MCCC1 Methylcrotonoyl-Coenzyme A Carboxylase 1 (Alpha)



- MDH1 Malate Dehydrogenase 1, Nad (Soluble)
- MDH2 Malate Dehydrogenase 2, Nad (Mitochondrial)
- MPST Mercaptopyruvate Sulfurtransferase
- ODC1 Ornithine Decarboxylase 1
- OGDH Oxoglutarate Dehydrogenase (Lipoamide)
- OTC Ornithine Transcarbamylase
- P4HA2 Procollagen-Proline, 2-Oxoglutarate 4-Dioxygenase (Proline 4-Hydroxylase), Alpha li Polypeptide
- PCK1 Phosphoenolpyruvate Carboxykinase 1, Cytosolic
- PCX Pyruvate Carboxylase
- PDHA1 Pyruvate Dehydrogenase E1 Alpha 1
- PDHX Pyruvate Dehydrogenase Complex, Component X
- PDK4 Pyruvate Dehydrogenase Kinase, Isoenzyme 4
- PDP1 Pyruvate Dehydrogenase Phosphatase Catalytic Subunit 1
- PDPR Pyruvate Dehydrogenase Phosphatase Regulatory Subunit
- PKM2 Pyruvate Kinase, Muscle
- PNMT Phenylethanolamine-N-Methyltransferase
- PRODH Proline Dehydrogenase
- PYCR1 Pyrroline-5-Carboxylate Reductase 1
- ALDH18A1 Aldehyde Dehydrogenase 18 Family, Member A1
- RARS Arginyl-Trna Synthetase
- SDHA Succinate Dehydrogenase Complex, Subunit A, Flavoprotein (Fp)
- SDHD Succinate Dehydrogenase Complex, Subunit D, Integral Membrane Protein
- SDS Serine Dehydratase
- SMS Spermine Synthase
- SRM Spermidine Synthase
- SUCLG1 Succinate-CoA Ligase, Gdp-Forming, Alpha Subunit
- TAT Tyrosine Aminotransferase
- TDO2 Tryptophan 2,3-Dioxygenase
- TH Tyrosine Hydroxylase
- TPH1 Tryptophan Hydroxylase 1
- TPO Thyroid Peroxidase
- VARS2 Valyl-Trna Synthetase 2, Mitochondrial (Putative)
- WARS Tryptophanyl-Trna Synthetase
- 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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