

Product datasheet for **AR50624PU-S**

ACAT1 / MAT (34-427, His-tag) Human Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | ACAT1 / MAT (34-427, His-tag) human recombinant protein, 0.1 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSVSKPTLK EVVIVSATRT PIGSFLGSL SLLPATKLGSI AIQGAIEKAG IPKEEVKEAY MGNVLQGGEG QAPTRQAVLG AGLPISTPCT TINKVCASGM KAIMMASQSL MCGHQDVMVA GGEMESMSNP YVMNRGSTPY GGVKLEDLIV KDGLTDVYNK IHMGSCAENT AKKLN IARNE QDAYAINS YT RSKAAWEAGK FGNEVIPVTV TVKGPDPVV KEDEEYKRVD FSKVPKLT V FQKENGTVTA ANASTLNDGA AALVLMTADA AKRLNVTPLA RIVAFADAAV EPIDFPIAPV YAASMLKDV GLKKEDIAMW EVNEAFSLVV LANIKMLEID PQKVNINGGA VSLGHPIGMS GARIVGHLTH ALKQGEYGLA SICNGGGGAS AMLIQKL |
| Tag: | His-tag |
| Predicted MW: | 43.8 kDa |
| Concentration: | lot specific |
| Purity: | >95% by SDS - PAGE |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 0.1M NaCl, 10% glycerol, 1 mM DTT |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant human ACAT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| Storage: | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | NP_000010 |
| Locus ID: | 38 |
| UniProt ID: | P24752 , A0A140VJX1 |
| Cytogenetics: | 11q22.3 |



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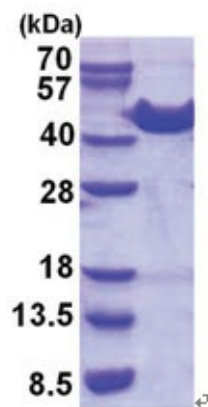
Synonyms: ACAT; MAT; T2; THIL

Summary: This gene encodes a mitochondrially localized enzyme that catalyzes the reversible formation of acetoacetyl-CoA from two molecules of acetyl-CoA. Defects in this gene are associated with 3-ketothiolase deficiency, an inborn error of isoleucine catabolism characterized by urinary excretion of 2-methyl-3-hydroxybutyric acid, 2-methylacetoacetic acid, tiglylglycine, and butanone. [provided by RefSeq, Feb 2009]

Protein Families: Druggable Genome

Protein Pathways: Butanoate metabolism, Fatty acid metabolism, Lysine degradation, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism, Synthesis and degradation of ketone bodies, Terpenoid backbone biosynthesis, Tryptophan metabolism, Valine, leucine and isoleucine degradation

Product images:



15% SDS-PAGE (3ug)