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Product datasheet for AR50624PU-N

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

Product data:

Product Type:	Recombinant Proteins
Description:	ACAT1 / MAT (34-427, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSVSKPTLK EVVIVSATRT PIGSFLGSLS LLPATKLGSI AIQGAIEKAG IPKEEVKEAY MGNVLQGGEG QAPTRQAVLG AGLPISTPCT TINKVCASGM KAIMMASQSL MCGHQDVMVA GGMESMSNVP YVMNRGSTPY GGVKLEDLIV KDGLTDVYNK IHMGSCAENT AKKLNIARNE QDAYAINSYT RSKAAWEAGK FGNEVIPVTV TVKGQPDVVV KEDEEYKRVD FSKVPKLKTV FQKENGTVTA ANASTLNDGA AALVLMTADA AKRLNVTPLA RIVAFADAAV EPIDFPIAPV YAASMVLKDV 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
Cytogenetics:	11q22.3

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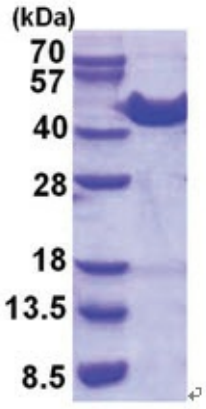
Synonyms: ACAT; MAT; T2; THIL

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)