

Product datasheet for **AR09571PU-L**

ACAT2 / ACTL (1-397, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	ACAT2 / ACTL (1-397, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMNAG SDPVVIVSAA RTIIGSFNGA</u> <u>LAAPVQDLG STVIKEVLKR ATVAPEDVSE VIFGHVLAAG CGQNPVRQAS VGAGIPYSVP</u> <u>AWSCQMIGCS GLKAVCLAVQ SIGIGDSSIV VAGGMENMSK APLAYLRTG VKIGEMPLTD</u> <u>SILCDGLTDA FHNCHMGITA ENVAKKWQVS REDQDKVAVL SQNRTEAQAQ AGHFDKEIVP</u> <u>VLVSTRKGLI EVKTDEFPRH GSNIEAMSKL KPYFLTDGTG TVTPANASGI NDGAAAVLM</u> <u>KKSEADKRGL TPLARIVSWS QVGVEPSIMG IGPIPAKQA VTKAGWSLED VDIFEINEAF AAVSAAIVKE</u> <u>LGLNPEKVNI EGGAIALGHP LGASGCRILV TLLHTLERMG RSRGVAALCI GGGMGIAMCV QRE</u>
Tag:	His-tag
Predicted MW:	45.4 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 8.0) containing 0.1 M NaCl, 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ACAT2 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 up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001290182</u>
Locus ID:	39
UniProt ID:	<u>Q9BWD1</u>
Cytogenetics:	6q25.3


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Summary:

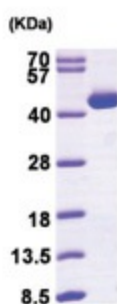
The product of this gene is an enzyme involved in lipid metabolism, and it encodes cytosolic acetoacetyl-CoA thiolase. This gene shows complementary overlapping with the 3-prime region of the TCP1 gene in both mouse and human. These genes are encoded on opposite strands of DNA, as well as in opposite transcriptional orientation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014]

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)