

Product datasheet for **AR09324PU-L**

ACADS (25-412, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	ACADS (25-412, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MLHTIYQSVE LPETHQMLLQ TCRDFAEKEL FPAAQVDKE HLFPAQVKK MGGLGLLAMD VPEELGGAGL DYLAIAIAME EISRGCASTG VIMSVNNSLY LGPILKFGSK EQQAWVTPF TSGDKIGCFA LSEPGNGSDA GAASTTARAE GDSWVLNGTK AWITNAWEAS AAVVFASTDR ALQNKISAF LVPMPPTPLT LGKKEDKLG I RGSSTANLIF EDCRIPKDSI LGEPGMGFKI AMQTLDMGRI GIASQALGIA QTALDCAVNY AENRMAFGAP LTKLQVIQFK LADMALLES ARLLTWRAAM LKDNKKPFIK EAAMAKLAAS EAATAISHQA IQILGGMGYV TEMPAERHYR DARITEIYEG TSEIQLVIA GHLLRSYRS
Tag:	His-tag
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 1 mM DTT, 0.1 M NaCl, and 20% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ACADS 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_000008</u>
Locus ID:	35
UniProt ID:	<u>P16219</u> , <u>E5KSD5</u>
Cytogenetics:	12q24.31


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Synonyms: ACAD3; SCAD

Summary: This gene encodes a tetrameric mitochondrial flavoprotein, which is a member of the acyl-CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Mutations in this gene have been associated with short-chain acyl-CoA dehydrogenase (SCAD) deficiency. Alternative splicing results in two variants which encode different isoforms. [provided by RefSeq, Oct 2014]

Protein Families: Druggable Genome

Protein Pathways: Butanoate metabolism, Fatty acid metabolism, Metabolic pathways, Valine, leucine and isoleucine degradation

Product images:

