

## Product datasheet for **AR09613PU-L**

### ACADVL (41-655, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	ACADVL (41-655, His-tag) human recombinant protein, 0.25 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	<u>MGSSH HHHHH S SGLVPRGSH</u> MAGGAAQLAL DKSDSHPSDA LTRKKPAKAE SKSFAVGMFK GQLTTDQVFP YPSVLNEEQT QFLKELVEPV SRFFEEVNDP AKNDALEMVE ETTWQGLKEL GAFGLQVPSE LGGVGLCNTQ YARLVEIVGM HDLGVGILG AHQSIGFKGI LLFGTKAQKE KYLPKLASGE TVAAFCLTEP SSGSDAASIR TSAVPSPCGK YYTLNGSKLW ISNGGLADIF TVFAKTPVTD PATGAVKEKI TAFVVERGFG GITHGPPEKK MGIKASNTAE VFFDGVVRVPS ENVLGEVGS FKVAMHILNN GRFGMAAALA GTMRGIIAKA VDHATNRTQF GEKIHNFGLI QEKLARMVML QYVTESMAYM VSANMDQGAT DFQIEAAISK IFGSEAAWKV TDECIQIMGG MGFMEKEPGVE RVLRLDLRIFR IFEGTNDILR LFVALQGCM D K GKELSG LGS ALKNPFGNAG LLLGEAGKQL RRRAGLGSGL SLSGLVHPEL SRSGELAVRA LEQFATVEA KLIKHKKGIV NEQFLQRLA DG AIDLYAMV VVLSRASRSL SEGHPTAQHE KMLCDTW CIE AAARIREGMA ALQSDPWQQE LYRNFKSISK ALVERGGVVT SNPLGF
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	68.5 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS – PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 1 mM EDTA, 0.1 M NaCl
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human ACADVL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.



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RefSeq: [NP\\_000009](#)

Locus ID: 37

UniProt ID: [P49748](#)

Cytogenetics: 17p13.1

Synonyms: ACAD6; LCACD; VLCAD

**Summary:** The protein encoded by this gene is targeted to the inner mitochondrial membrane where it catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. This acyl-Coenzyme A dehydrogenase is specific to long-chain and very-long-chain fatty acids. A deficiency in this gene product reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Fatty acid metabolism, Metabolic pathways

### Product images:

