

### Product datasheet for AR09613PU-L

#### OriGene Technologies, Inc.

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

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** ACADVL (41-655, His-tag) human recombinant protein, 0.25 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MAGGAAQLAL DKSDSHPSDA LTRKKPAKAE SKSFAVGMFK GQLTTDQVFP YPSVLNEEQT QFLKELVEPV SRFFEEVNDP AKNDALEMVE ETTWQGLKEL

GAFGLQVPSE LGGVGLCNTQ YARLVEIVGM HDLGVGITLG AHQSIGFKGI LLFGTKAQKE

KYLPKLASGE TVAAFCLTEP SSGSDAASIR TSAVPSPCGK YYTLNGSKLW ISNGGLADIF TVFAKTPVTD

PATGAVKEKI TAFVVERGFG GITHGPPEKK MGIKASNTAE VFFDGVRVPS ENVLGEVGSG FKVAMHILNN GRFGMAAALA GTMRGIIAKA VDHATNRTQF GEKIHNFGLI QEKLARMVML QYVTESMAYM VSANMDQGAT DFQIEAAISK IFGSEAAWKV TDECIQIMGG MGFMKEPGVE RVLRDLRIFR IFEGTNDILR LFVALQGCMD KGKELSGLGS ALKNPFGNAG LLLGEAGKQL RRRAGLGSGL SLSGLVHPEL SRSGELAVRA LEQFATVVEA KLIKHKKGIV NEQFLLQRLA DGAIDLYAMV VVLSRASRSL SEGHPTAQHE KMLCDTWCIE AAARIREGMA ALQSDPWQQE

LYRNFKSISK ALVERGGVVT SNPLGF

Tag: His-tag

Predicted MW: 68.5 kDa

Concentration: lot specific

Purity: >90% by SDS – PAGE

**Buffer:** 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

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human ACADVL 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:** 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

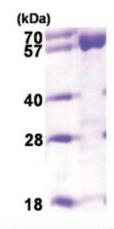
catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. This acyl-Coenzyme A dehydrogenase is specific to long-chain and very-long-chain fatty acids. A deficiency in this gene product reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy. Alternative 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:**



15% SDS-PAGE (3ug)