

Product datasheet for **AR09613PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	ACADVL (41-655, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSH</u> HHHHH <u>SSGLV</u> PRGSH <u>M</u> MAGGAAQLAL DKSDSHPSDA LTRKKPAKAE SKSFAVGMFK GQLTTDQVFP YPSVLNEEQT QFLKELVEPV SRFEEVNDP AKNDALEMVE ETTWQGLKEL GAFGLQVPSE LGGVGLCNTQ YARLVEIVGM HDLGVGILG AHQSIGFKGI LLFGTKAQKE KYLPLASGE TVAAFCLTEP SSGSDAASIR TSAVSPSPCGK YYTLNGSKLW ISNGGLADIF TVFAKTPVTD PATGAVKEKI TAFVVERGFG GITHGPPEKK MGIKASNTAE VFFDGVVRVPS ENVLGEVGS FKVAMHILNN GRFGMAAALA GTMRGIIAKA VDHATNRTQF GEKIHNFGLI QEKLARMVML QYVTESMAYM VSANMDQGAT DFQIEAAISK IFGSEAAWKV TDECIQIMGG MGFMEKEPGVE RVLRDLRIFR IFEGTNDILR LFVALQGCMG KKGKELSGLS ALKNPFGNAG LLLGEAGKQL RRRAGLGSGL SLSGLVHPEL SRSGELAVRA LEQFATVEA KLIKHKKGIV NEQFLQRLA DGALDYAMV 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.



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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:

