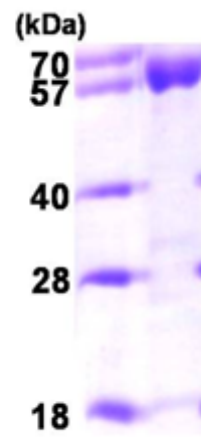


**AR09613PU-L****Human ACADVL (41-655, His-tag) - Purified**

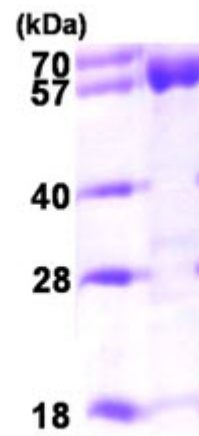
<b>Alternate names:</b>	VLCAD, Very long-chain specific acyl-CoA dehydrogenase mitochondrial
<b>Quantity:</b>	0.25 mg
<b>Concentration:</b>	0.5 mg/ml (determined by Bradford assay)
<b>Background:</b>	ACADVL, also known as VLCAD, LCACD or ACAD6, is an inner mitochondrial membrane protein that belongs to the family of acyl-CoA dehydrogenases. This protein is involved in lipid metabolism and has catalytic activity toward esters of long chain and very long chain fatty acids such as palmitoyl-CoA and stearoyl-CoA, and functions in the first step of the fatty acid $\beta$ -oxidation pathway. A deficiency in this gene product reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy.
<b>Uniprot ID:</b>	<a href="#">P49748</a>
<b>NCBI:</b>	<a href="#">NP_000009</a>
<b>GeneID:</b>	<a href="#">37</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS – PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 1 mM EDTA, 0.1 M NaCl
<b>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>AA Sequence:</b> <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MAGGAAQLAL</u> <u>DKSDSHPSDA</u> <u>LTRKKPAKAE</u> <u>SKSFAVGMFK</u> GQLTTDQVFP YPSVLNEEQT QFLKELVEPV SRFFEENVNDP AKNDALEMVE ETTWQGLKEL GAFGLQVPSE LGGVGLCNTQ YARLVEIVGM HDLGVGITLG AHQSIGFKGI LLFGTKAQKE KYLPKLASGE TVAAFCLTEP SSGSDAASIR TSAVPSPCGK YYTLNGSKLW ISNGGLADIF TVFAKTPVTD PATGAVKEKI TAFVVERGFG GITHGPPEKK MGIKASNTAE VFFDGVVRVPS ENVLGEVGSG FKVAMHILNN GRFGMAAALA GTMRGIIAKA VDCHATNRTQF GEKIHNFGLI QEKLARMVML QYVTESMAYM VSANMDQGAT DFQIEAAISK IFGSEAAWKV TDECIQIMGG MGFMKEPGVE RVLRLDLRIFR IFEGTNDILR LFVALQGCMD KGKELSGLGS ALKNPFGNAG LLLGEAGKQL RRRAGLGSL SLSGLVHPEL SRSGELAVRA LEQFATVVEA KLIKHKKGIV NEQFLLQRLA DGAIDLAMV VVLSRASRSL SEGHPAQHE KMLCDTWCIE AAARIREGMA ALQSDPWQQE LYRNFKSISK ALVERGGVVT SNPLGF <b>Molecular weight:</b> 68.5 kDa (636aa)
<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. Shelf life: one year from despatch.

**Pictures:**

Recombinant human ACADVL, 41-655 aa,  
His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)