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# 32-2106: ACADVL Recombinant Protein

**Alternative Name :** ACAD6,LCACD,VLCAD.

## Description

Source : Escherichia Coli. ACADVL Human Recombinant produced in E.Coli is a non-glycosylated, polypeptide chain containing 636 amino acids (41-655 a.a.) and having a molecular mass of 68.5 kda. ACADVL contains 21 amino acid His-Tag at the N-terminus and is purified by proprietary chromatographic techniques. ACADVL is an inner mitochondrial membrane enzyme that is part of the family of acyl-CoA dehydrogenases. ACADVL protein participates 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 is involved in the first step of the fatty acid Beta-oxidation pathway. ACADVL deficiency in reduces myocardial fatty acid beta-oxidation and is related with cardiomyopathy.

## Product Info

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| **Amount :** | 10 µg |
| **Purification :** | Greater than 90.0% as determined by SDS-PAGE. |
| **Content :** | The 0.5mg/ml protein solution contains 20mM Tris-HCl buffer pH-8, 1mM DTT, 1mM EDTA, 10% glycerol and 100mM NaCl. |
| **Storage condition :** | Store ACADVL at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | 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. |

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