

Recombinant Human ACADVL Protein, GST-Tagged

Cat. No. ACADVL-138H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACADVL full-length ORF (NP_000009.1, 1 a.a. - 655 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	73.07 kDa
AA Sequence	MAARLLRGSLRVLGGHRAPRQLPAARCSHSGGEERLETPSAKKLTDIGIRRIFSPEH DIFRKSVRKFFQEEVIPHHSEWEKAGEVSREWEKAGKQGLLGVNIAEHLGGIGGDL YSAAIWEEQAYSNCSPGFSIHSGIVMSYITNHGSEEQIKHFIPQMTAGKCIGAIAM TEPGAGSDLQGIKTNAKKDGS DWILNGSKVFISNGSLSDVVIVVAVTNHEAPSPA HGI SLFLVENGMKGFIKGRKLHKMGLKAQDTAELFFEDIRLPASALLGEENKGFYYIMKEL PQERLLIADVAISASEFMFEETRNYVKQRKAFGKTV AHLQTVQHKLAELKTHICVTRA FVDNCLQLHEAKRLDSATACMAKYWASELQNSVAYDCVQLHGGWGYMWEYPIAK

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AYVDARVQPIYGGTNEIMKELIAREIVFDK

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ACADVL acyl-CoA dehydrogenase, very long chain [Homo sapiens]

Official Symbol

ACADVL

Synonyms

ACADVL; acyl-CoA dehydrogenase, very long chain; acyl Coenzyme A dehydrogenase, very long chain; very long-chain specific acyl-CoA dehydrogenase, mitochondrial; ACAD6; LCACD; VLCAD; acyl-Coenzyme A dehydrogenase, very long chain;

Gene ID

37

mRNA Refseq

NM_000018

Protein Refseq

NP_000009

MIM

609575

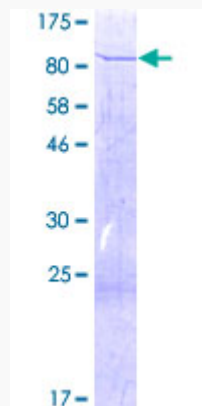
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UniProt ID

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