

Recombinant Human ACADVL Protein, GST-Tagged

Cat. No. ACADVL-139H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACADVL partial ORF (NP_000009, 345 a.a. - 434 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	95.6 kDa
AA Sequence	MSGCGLFLRTTAAARACRGLVVSTANRLLRTSPPVRAFAKELFLGKIKKKEVFPFP EVSQDELNEINQFLGPVEKFFTEEVD SRKIDQEGKIPDETLEKLKSLGLFGLQVP E EY GGLGFSNTMYSRLGEIISMDGSITVTLAAHQAIGLKG ILAGT EEQKAKYLPKLASGEH IAAFCLTEPASGSDAASIRSRTLSEDKKH YILNGSKVWITNGGLANIFTVFAKTEVVD SDGSVKDKITAFIVERDFGGVTNGKPEDKLGIRGSNTCEVHFENTKIPVENILGEVGD GFKVAMNILNSGRFSMGSVVAGLLKR LIEMTA EYACTRKQFNKRLSEFGLIQEKFAL MAQKAYVMESMTYLTAGMLDQPGFPDCSIEAAMVKVFSSEA AWQCVSEALQILGGL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GYTRDYPYERILRDTRILLIFEGTNEILRMYIALTGLQHAGRILTTRIHELKQAKVSTVM
 DTVGRRLRDSLGRITVDLGLTGNHGVVHPSLADSANKFEENTYCFGRITVETLLLRFG
 KTIMEEQVLVKRVANILINLYGMTAVLSRASRSIRIGLRNHDHEVLLANTFCVEAYLQN
 LFSLSQLDKYAPENLDEQIKKVSQQILEKRAYICAHPLDRTC

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](#)

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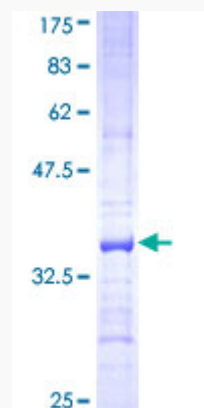
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Protein Refseq NP_000009

MIM 609575

UniProt ID P49748



12.5% SDS-PAGE Stained with Coomassie Blue.

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