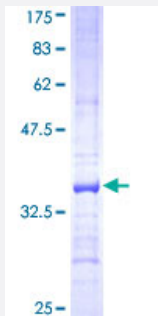


ACADVL (Human) Recombinant Protein (Q01)

Catalog # H00000037-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ACADVL partial ORF (NP_000009, 345 a.a. - 434 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AAALAGTMRGIIAKAVDHDATNRTQFGEKIHNFGLIQEKLARMVMLQYVTESMAYMV SANMDQGATDFQIEAAISKIFGSEAAWKVTDECI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (86); Rat (89)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ACADVL

Entrez GeneID [37](#)

GeneBank Accession# [NM_000018](#)

Protein Accession# [NP_000009](#)

Gene Name ACADVL

Gene Alias ACAD6, LCACD, VLCAD

Gene Description acyl-Coenzyme A dehydrogenase, very long chain

Omim ID [201475 609575](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations -

Pathway

- [Fatty acid metabolism](#)
- [Metabolic pathways](#)