

Recombinant Human ACADM Protein, GST-Tagged

Cat. No. ACADM-133H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACADM Protein, GST-Tagged was expressed in Wheat Germ cell
Species	Human
Source	Wheat Germ
Description	This gene encodes the medium-chain specific (C4 to C12 straight chain) acyl-Coenzyme A dehydrogenase. The homotetramer enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Defects in this gene cause medium-chain acyl-CoA dehydrogenase deficiency, a disease characterized by hepatic dysfunction, fasting hypoglycemia, and encephalopathy, which can result in infantile death. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	73kDa
AA Sequence	MAAGFGRCCRVLRISRFHWRSQHTKANRQREPGLGFSFEFTEQQKEFQATARKF AREEIIPVAAEYDKTGEYPVPLIRRAWELGLMNTHIPENCGGLGLGTFDACLISEELA YGCTGVQTAIEGNSLGQMPPIIAGNDQQKKKYLGRMTEEPLMCAYCVTEPGAGSDV AGIKTKAEKKGDEYIINGQKMWITNGGKANWYFLLARSDPDPKAPANKAFTGFIVEA DTPGIQIGRKELNMGQRCSDTRGIVFEDVKVPKENVLIGDGAGFKVAMGAFDKTRPV VAAGAVGLAQRALDEATKYALERKTFGKLLVEHQAI SFMLAEMAMKVELARMSYQR AAWEVDSGRRNTYYASIAKAFAGDIANQLATDAVQILGGNGFNTEYPVEKLMRDAKI

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YQIYEGTSQIQRLIVAREHIDKYKN

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°C. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

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

Preparation

Glutathione Sepharose 4 Fast Flow

GENE INFORMATION

Gene Name

ACADM acyl-CoA dehydrogenase medium chain [Homo sapiens (human)]

Official Symbol

ACADM

Synonyms

ACAD1,FLJ18227,FLJ93013,FLJ99884,MCAD,MCADH

Gene ID

34

mRNA Refseq

NM_000016.6

Protein Refseq

NP_000007.1

MIM

607008

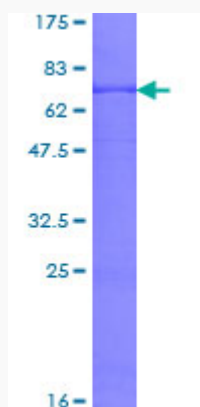
UniProt ID

P11310

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