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	MAAGFGRCCRVLRSISRFHWRSQHTKANRQREPGLGFSFEFTEQQKEFQATARKF AREEIIPVAAEYDKTGEYPVPLIRRAWELGLMNTHIPENCGGLGLGTFDACLISEELA YGCTGVQTAIEGNSLGQMPIIIAGNDQQKKKYLGRMTEEPLMCAYCVTEPGAGSDV AGIKTKAEKKGDEYIINGQKMWITNGGKANWYFLLARSDPDPKAPANKAFTGFIVEA DTPGIQIGRKELNMGQRCSDTRGIVFEDVKVPKENVLIGDGAGFKVAMGAFDKTRPV VAAGAVGLAQRALDEATKYALERKTFGKLLVEHQAISFMLAEMAMKVELARMSYQR AAWEVDSGRRNTYYASIAKAFAGDIANQLATDAVQILGGNGFNTEYPVEKLMRDAKI

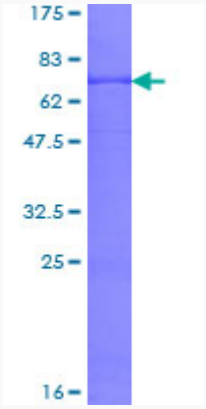
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	YQIYEGTSQIQRLIVAREHIDKYKN
Applications	Enzyme-linked Immunoabsorbent Assay. Western Blot (Recombinant protein). Antibody Production. Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCI, 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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