

Recombinant Human ACADM Protein, GST-Tagged

Cat. No. ACADM-134H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ACADM partial ORF (NP_000007, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
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. [provided by RefSeq, Jul 2008]
Molecular Mass	73.05 kDa
AA Sequence	MAARLLRGLRVLGGHRAPRQLPAARCSHSGGEERLETPSAKKLTDIGIRRIFSPEH DIFRKSVRKFFQEEVIPHHSEWEKAGEVSREVWEKAGKQGLLGVNIAEHLGGIGGDL YSAAIWEEQAYSNCSPGFSIHSGIVMSYITNHGSEEQIKHFIPQMTAGKCIGAIAM TEPGAGSDLQGIKTNAKKDGSDWILNGSKVFISNGSLSDVVIVVAVTNHEAPSPAHGI SLFLVENGMMKGFIKGRKLHKMGLKAQDTAELFFEDIRLPASALLGEENKGFYYIMKEL PQERLLIADVAISASEFMFEETRNYYVKQRKAFGKTV AHLQTVQHKLAE LKTHICVTRA 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

[ACADM acyl-CoA dehydrogenase, C-4 to C-12 straight chain \[Homo sapiens \]](#)

Official Symbol

[ACADM](#)

Synonyms

ACADM; acyl-CoA dehydrogenase, C-4 to C-12 straight chain; acyl Coenzyme A dehydrogenase, C 4 to C 12 straight chain; medium-chain specific acyl-CoA dehydrogenase, mitochondrial; ACAD1; MCAD; MCADH; acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain;

Gene ID

[34](#)

mRNA Refseq

[NM_000016](#)

Protein Refseq

[NP_000007](#)

MIM

[607008](#)

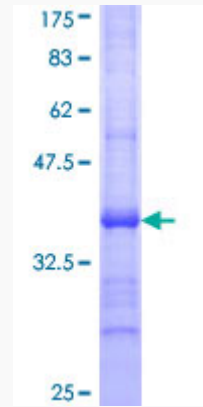
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UniProt ID

P11310



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