

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	MAARLLRGSLRVLGGRAPRQLPAARCSHSGGEERLETSAKKLTDIGIRRIFSPEH DIFRKSVRKFFQEEVIPHHSEWEKAGEVSREVWEKAGKQGGLLVNIAEHLGGIGGDL YSAAIWEEQAYSNCSPGFSIHSGIVMSYITNHGSEEQIKHFIPQMTAGKCIGAIAM TEPGAGSDLQGIKTNAKKDGSWILNGSKVFISNGSLSDVVIVVAVTNHEAPSPAHGI SLFLVENG MKGFIKGRKLHKMGLKAQDTAELFFEDIRLPASALLGEENKGFYYIMKEL PQERLLIADVAISASEFMFEETRN YVKQRKAFGKTV AHLQTVQHKLAELKTHICVTRA FVDNCLQLHEAKRLDSATACMAKYWASELQNSVAYDCVQLHGGWGYMWEYPIAK

 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

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](#)

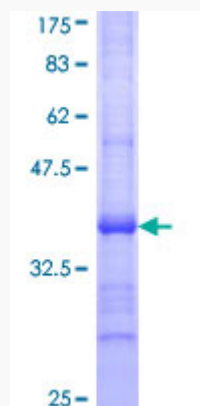
 Tel: 1-631-559-9269 1-516-512-3133

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

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

UniProt ID

P11310



12.5% SDS-PAGE Stained with Coomassie Blue.

 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