

Recombinant Human ACADS Protein, GST-Tagged

Cat. No. ACADS-135H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACADS full-length ORF (AAH25963.1, 1 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a tetrameric mitochondrial flavoprotein, which is a member of the acyl-CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Mutations in this gene have been associated with short-chain acyl-CoA dehydrogenase (SCAD) deficiency. Alternative splicing results in two variants which encode different isoforms. [provided by RefSeq, Oct 2014]
Molecular Mass	95.4 kDa
AA Sequence	MSGCGLFLRTTAAARACRGLVVSTANRLLRTSPPVRAFAKELFLGKIKKKEVFPFP EVSQDELNEINQFLGPVEKFFTEEVDNRKIDQEGKIPDETLEKLKSLGLFGLQVPEEY GGLGFSNTMYSRLGEIISMDGSITVTAAHQAIGLKGIIAGTTEEQKAKYLPKLASGEH IAAFCLTEPASGSDAASIRSRTLSEDKKHYILNGSKVWITNGGLANIFTVFAKTEVVD SDGSVKDKITAFIVERDFGGVTNGKPEDKLGIRGSNTCEVHFENTKIPVENILGEVGD GFKVAMNINSGRFSMGSSVAGLLKRLIEMTAEYACTRKQFNKRLSEFGLIQEKFAL MAQKAYVMESMTYLTAGMLDQPGFPDCSIEAMVKVFSSEAAWQCVSEALQILGGL GYTRDYPYERILRDTRILLIFEGTNEILRMYIALTGLQHAGRILTTRIHELKQAKVSTVM

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DTVGRRLRDSLGRITVDLGLTGNHGVVHPSLADSANKFEENTYCFGRITVETLLLRFG
KTIMEEQLVLKRVANILINLYGMTAVLSRASRSIRIGLRNHDHEVLLANTFCVEAYLQN
LFSLSQLDKYAPENLDEQIKKVSQQILEKRAYICAHPLDRTC

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

ACADS acyl-CoA dehydrogenase, C-2 to C-3 short chain [Homo sapiens]

Official Symbol

ACADS

Synonyms

ACADS; acyl-CoA dehydrogenase, C-2 to C-3 short chain; acyl Coenzyme A dehydrogenase, C 2 to C 3 short chain; short-chain specific acyl-CoA dehydrogenase, mitochondrial; ACAD3; SCAD; butyryl-CoA dehydrogenase; unsaturated acyl-CoA reductase; short-chain acyl-CoA dehydrogenase; acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain; mitochondrial short-chain specific acyl-CoA dehydrogenase;

Gene ID

35

mRNA Refseq

NM_000017

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Protein Refseq	NP_000008
MIM	606885
UniProt ID	P16219

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