

Recombinant Human ACAD9 Protein, GST-Tagged

Cat. No. ACAD9-131H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACAD9 full-length ORF (NP_054768.2, 1 a.a. - 621 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the acyl-CoA dehydrogenase family. Members of this family of proteins localize to the mitochondria and catalyze the rate-limiting step in the beta-oxidation of fatty acyl-CoA. The encoded protein is specifically active toward palmitoyl-CoA and long-chain unsaturated substrates. Mutations in this gene cause acyl-CoA dehydrogenase family member type 9 deficiency. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Mar 2010]
Molecular Mass	95.2 kDa
AA Sequence	MSGCGLFLRTTAAARACRGLVVSTANRLLRTSPPVRAFAKELFLGKIKKKEVFPFP EVSQDELNEINQFLGPVEKFFTEEVDNRKIDQEGKIPDETLEKLKSLGLFGLQVPEEY GGLGFSNTMYSRLGEIISMDGSITVTLAAHQAIGLKGIIAGTTEEQKAKYLPKLASGEH IAAFCLTEPASGSDAASIRSRTLSEDKKHYILNGSKVWITNGGLANIFTVFAKTEVVD SDGSVKDKITAFIVERDFGGVTNGKPEDKLGIRGSNTCEVHFENTKIPVENILGEVGD GFKVAMNINSGRFSMGSVVAGLLKRLIEMTAEYACTRKQFNKRLSEFGLIQEKFAL MAQKAYVMESMTYLTAGMLDQPGFPDCSIEAAMVKVFSSEAAWQCVSEALQILGGL GYTRDYPYERILRDTRILLIFEGTNEILRMYIALTGLQHAGRILTTRIHELKQAKVSTVM

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DTVGRRLRDSLGRITVDLGLTGNHGVVHPSLADSANKFEENTYCFGRITVETLLLRFG
KTIMEEQVLVKRVANILINLYGMTAVLSRASRSIRIGLRNHDHEVLLANTFCVEAYLQN
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

ACAD9 acyl-CoA dehydrogenase family, member 9 [Homo sapiens]

Official Symbol

ACAD9

Synonyms

ACAD9; acyl-CoA dehydrogenase family, member 9; acyl Coenzyme A dehydrogenase family, member 9; acyl-CoA dehydrogenase family member 9, mitochondrial; MGC14452; NPD002; very-long-chain acyl-CoA dehydrogenase VLCAD; acyl-Coenzyme A dehydrogenase family, member 9; FLJ23533;

Gene ID

28976

mRNA Refseq

NM_014049

Protein Refseq

NP_054768

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MIM	611103
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UniProt ID	Q9H845
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