

Recombinant Human ACAD9 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ACAD9-3586H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACAD9 MS Standard C13 and N15-labeled recombinant protein (NP_054768) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	68.8 kDa
AA Sequence	MSGCGLFLRTTAAARACRGLVVSTANRLLRTSPPVRAFAKELFLGKIKKKEVFPFP EVSQDELNEINQFLGPVEKFFTEEVDNRKIDQEGKIPDETLEKLKSLGLFGLQVPEEY GGLGFSNTMYSRLGEIISMDGSITVTLAAHQAIGLKGIIAGTTEEQKAKYLPKLASGEH IAAFCLTEPASGSDAASIRSRTLSEDKKHYYLNGSKVWITNGGLANIFTVFAKTEVVD SDGSVKDKITAFIVERDFGGVTNGKPEDKLGIRGSNTCEVHFENTKIPVENILGEVGD GFKVAMNINLSGRFSMGSVVAGLLKRLIEMTAEYACTRKQFNKRLSEFGLIQEKFAL MAQKAYVMESMTYLTAGMLDQPGFPDCSIEAAMVKVFSSEAAWQCVSEALQILGGL

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GYTRDYPYERILRDTRILLIFEGTNEILRMYIALTGLQHAGRILTTRIHELKQAKVSTVM
 DTVGRRLRDSLGRITVDLGLTGNHGVVHPSLADSANKFEENTYCFGRTVETLLLRFG
 KTIMEEQVLVKRVANILINLYGMTAVLSRASRSIRIGLRNHDHEVLLANTFCVEAYLQN
 LFSLSQLDKYAPENLDEQIKKVSQQILEKRAYICAHPLDRTCTRTRPLEQKLISEEDLA
 ANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [ACAD9 acyl-CoA dehydrogenase family member 9 \[Homo sapiens \(human\) \]](#)

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](#)

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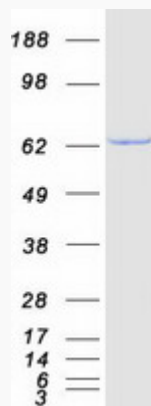
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Protein Refseq NP_054768

MIM 611103

UniProt ID Q9H845

SDS-PAGE



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