

Recombinant Full Length Human ACAD9 Protein, GST-tagged

Cat. No. ACAD9-894HF **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	In Vitro Cell Free System
ProteinLength	621 amino acids
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	MSGCGLFLRT TAAARACRGL VVSTANRRLL RTSPPVRAFA KELFLGKIKK KEVFPFPEVS QDELNEINQF LGPVEKFFTE EVDSRKIDQE GKIPDETEK LKSLGLFGLQ VP E E Y G G L G F S N T M Y S R L G E I I S M D G S I T V T L A A H Q A I G L K G I I L A G T E E Q K A K Y L P K L A S G E H I A A F C L T E P A S G S D A A S I R S R A T L S E D K K H Y I L N G S K V W I T N G G L A N I F T V F A K T E V V D S D G S V K D K I T A F I V E R D F G G V T N G K P E D K L G I R G S N T C E V H F E N T K I P V E N I L G E V G D G F K V A M N I L N S G R F S M G S V V A G L L K R L I E M T A E Y A C T R K Q F N K R L S E F G L I Q E K F A L M A

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QKAYVMESMT YLTAGMLDQP GFPDCSIEAA MVKVSSEAA WQCVSEALQI
 LGGLGYTRDY PYERILRDTR ILLIFEGTNE ILRMYIALTG LQHAGRILTT
 RIHELKQAKV STVMDTVGRR LRDSLGRITVD LGLTGNHGVV HPSLADSANK
 FEENTYCFGR TVETLLLRFG KTIMEEQLVL KRVANILINL YGMTAVLSRA
 SRSIRIGLRN HDHEVLLANT FCVEAYLQNL FSLSQLDKYA PENLDEQIKK
 VSQQILEKRA YICAHPLDRT C

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

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; NP002; 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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Protein Refseq	NP_054768
MIM	611103
UniProt ID	Q9H845

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