

Recombinant Full Length Human ACAD8 Protein, GST-tagged

Cat. No. ACAD8-893HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACAD8 full-length ORF (AAH01964, 1 a.a. - 415 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	415 amino acids
Description	This gene encodes a member of the acyl-CoA dehydrogenase family of enzymes that catalyze the dehydrogenation of acyl-CoA derivatives in the metabolism of fatty acids or branch chained amino acids. The encoded protein is a mitochondrial enzyme that functions in catabolism of the branched-chain amino acid valine. Defects in this gene are the cause of isobutyryl-CoA dehydrogenase deficiency.[provided by RefSeq, Nov 2009]
Molecular Mass	71.39 kDa
AA Sequence	MLWSGCRRFG ARLGCLPGGL RVLVQTGHRS LTSCIDPSMG LNEEQKEFQK VAFDFAAREM APNMAEWDQK ELFPVDVMRK AAQLGFGGVY IQTDVGGSGL SRLDTSVIFE ALATGCTSTT AYISIHNMCA WMIDSFGNEE QRHKFCPPLC TMEKFASYCL TEPGSGSDAA SLLTSAKKQG DHYILNGSKA FISGAGESDI YVVMCRTGGL GPKGISCIVV EKGTPGLSFG KKEKKVGWNS QPTRAVIFED CAVPVANRIG SEGQGFLIAV RGLNGGRINI ASCSLGAAHA SVILTRDHLN VRKQFGEPLA SNQYLQFTLA DMATRLVAAR LMVRNAVAL QEERKDAVAL

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CSMAKLFATD ECFAICNQAL QMHGGYGYLK DYAVQQYVRD SRVHQILEGS
NEVMRILISR SLLQE

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

ACAD8 acyl-CoA dehydrogenase family, member 8 [Homo sapiens]

Official Symbol

ACAD8

Synonyms

ACAD8; acyl-CoA dehydrogenase family, member 8; acyl Coenzyme A dehydrogenase family, member 8; isobutyryl-CoA dehydrogenase, mitochondrial; activator-recruited cofactor 42 kDa component; acyl-Coenzyme A dehydrogenase family, member 8; ARC42; ACAD-8

Gene ID

27034

mRNA Refseq

NM_014384

Protein Refseq

NP_055199

MIM

604773

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UniProt ID

Q9UKU7

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