

Recombinant Full Length Human ACADL Protein, GST-tagged

Cat. No. ACADL-895HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACADL full-length ORF (AAH39063, 1 a.a. - 430 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	430 amino acids
Description	The protein encoded by this gene belongs to the acyl-CoA dehydrogenase family, which is a family of mitochondrial flavoenzymes involved in fatty acid and branched chain amino-acid metabolism. This protein is one of the four enzymes that catalyze the initial step of mitochondrial beta-oxidation of straight-chain fatty acid. Defects in this gene are the cause of long-chain acyl-CoA dehydrogenase (LCAD) deficiency, leading to nonketotic hypoglycemia. [provided by RefSeq, Jul 2008]
Molecular Mass	73.04 kDa
AA Sequence	MAARLLRGSL RVLGGHRAPR QLPAARCSHS GGEERLETPS AKKLTDIGIR RIFSPEHDIF RKSVRKFFQE EVIPHHSEWE KAGEVSREVV EKAGKQGLLG VNIAEHLGGI GGDLYSAAIV WEEQAYSNCs GPGFSIHSGI VMSYITNHGS EEQIKHFIPQ MTAGKCIGAI AMTEPGAGSD LQGIKTNACK DGSDWILNGS KVFISNGSLs DVVIVVAVTN HEAPSPAHI SLFLVENGMK GFIKGRKLHK MGLKAQDTAE LFFEDIRLPA SALLGEENKG FYYIMKELPQ ERLLIADVAI SASEFMFEET RNYVKQRKAF GKTVAHLQTV QHKLAELKTH ICVTRAFVDN

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CLQLHEAKRL DSATACMAKY WASELQNSVA YDCVQLHGGW GYMWEYPIAK
 AYYDARVQPI YGGTNEIMKE LIAREIVFDK

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

ACADL acyl-CoA dehydrogenase, long chain [Homo sapiens]

Official Symbol

ACADL

Synonyms

ACADL; acyl-CoA dehydrogenase, long chain; acyl Coenzyme A dehydrogenase, long chain; long-chain specific acyl-CoA dehydrogenase, mitochondrial; ACAD4; LCAD; acyl-Coenzyme A dehydrogenase, long chain; FLJ94052

Gene ID

33

mRNA Refseq

NM_001608

Protein Refseq

NP_001599

MIM

609576

UniProt ID

P28330

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