

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
Protein Length	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 WEEQAYSNC S GPGFSIHSGI VMSYITNHGS EEQIKHFIPQ MTAGKCIGAI AMTEPGAGSD LQGIKTNACK DGSDWILNGS KVFISNGSL S DVVIVVAVTN HEAPSPAHGI SLFLVENGMK GFIKGRKLHK MGLKAQDTAE LFFEDIRLPA SALLGEENKG FYYIMKELPQ ERLLIADVAI SASEFMFEET RNYVKQRKAF GKTVAHLQTV QHKLAELKTH ICVTRAFVDN

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CLQLHEAKRL DSATACMAKY WASELQNSVA YDCVQLHGGW GYMWEYPIAK
 AYVDARVQPI 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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