

# Recombinant Full Length Human ACADS Protein, GST-tagged

Cat. No. ACADS-897HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human ACADS full-length ORF ( AAH25963.1, 1 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	412 amino acids
<b>Description</b>	This gene encodes a tetrameric mitochondrial flavoprotein, which is a member of the acyl-CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Mutations in this gene have been associated with short-chain acyl-CoA dehydrogenase (SCAD) deficiency. Alternative splicing results in two variants which encode different isoforms. [provided by RefSeq, Oct 2014]
<b>Molecular Mass</b>	95.4 kDa
<b>AA Sequence</b>	MSGCGLFLRT TAAARACRGL VVSTANRRL RTSPVRAFA KELFLGKIKK KEVFPFPEVS QDELNEINQF LGPVEKFFTE EVDSRKIDQE GKIPDETLEK LKSLGLFGLQ VP E EY GGLGF SNTMYSRLGE IISMDGSITV TLAHQAI GL KG ILAGTEE QKAKYLPKLA SGEHIAAFCL TEPASGSDAA SIRSRTLSE DKKH YILNGS KVVITNGGLA NIFTVFAKTE VVDS DGSVKD KITAFIVERD FGGVTNGKPE DKL GIRG SNT CEVHFENTKI PVENILGEVG DGFKVAMN I L NSGRFSMGSV VAGLLKRLIE MTA EYACTRK QFNKRLSEFG LIQEKFALMA

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QKAYVMESMT YLTAGMLDQP GFPDCSIEAA MVKVSSEAA WQCVSEALQI  
 LGGLGYTRDY PYERILRDTR ILLIFEGTNE ILRMYIALTG LQHAGRILTT  
 RIHELKQAKV STVMDTVGRR LRDSLGRDVD LGLTGNHGVV HPSLADSANK  
 FEENTYCFGR TVETLLLRFG KTIMEEQLVL KRVANILINL YGMTAVLSRA  
 SRSIRIGLRN HDHEVLLANT FCVEAYLQNL FLSQLDKYA 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** [ACADS acyl-CoA dehydrogenase, C-2 to C-3 short chain \[ Homo sapiens \]](#)

**Official Symbol** [ACADS](#)

**Synonyms**  
 ACADS; acyl-CoA dehydrogenase, C-2 to C-3 short chain; acyl Coenzyme A dehydrogenase, C 2 to C 3 short chain; short-chain specific acyl-CoA dehydrogenase, mitochondrial; ACAD3; SCAD; butyryl-CoA dehydrogenase; unsaturated acyl-CoA reductase; short-chain acyl-CoA dehydrogenase; acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain; mitochondrial short-chain specific acyl-CoA dehydrogenase

**Gene ID** [35](#)

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<b>mRNA Refseq</b>	NM_000017
<b>Protein Refseq</b>	NP_000008
<b>MIM</b>	606885
<b>UniProt ID</b>	P16219

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