

## Recombinant Human ACAA2, His-tagged

Cat. No. ACAA2-7576H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human ACAA2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	17-397aa
<b>Antigen Description</b>	ACAA2 catalyzes the last step of the mitochondrial fatty acid beta-oxidation spiral. Unlike most mitochondrial matrix proteins, it contains a non-cleavable amino-terminal targeting signal.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
<b>Molecular Mass</b>	42.6 kDa (404aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	<p>MGSSHHHHHH SSSLVPRGSH MGSFGAYGGL LKDFATDLS EFAAKAALSA            GKVSPETVDS VIMGNVLQSS SDAIYLARHV GLRVGIPKET PALTINRLCG            SGFQSIVNGC QEICVKEAEV VLCGGTESMS QAPYCVRNVR FGTKLGSDIK            LEDSLWVSLT DQHVQLPMAM TAENLAVKHK ISREECDKYA LQSQQRWKAA            NDAGYFNDEM APIEVKTKKG KQTMQVDEHA RPQTTLEQLQ KLPPVFKKDG            TVTASNAGSV ADGAGAVIIA SEDAVKKHNF TPLARIVGYF VSGCDPSIMG            IGPVPAISGA LKKAGLSLKD MDLVEVNEAF APQYLAVERS LDLDISKTNV</p>

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NGGAIALGHP LGGSGSRITA HLVHELRRRG GKYAVGSACI GGGQGIIVII QSTA

**Purity** >85% as determined by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5mg/ml

## GENE INFORMATION

**Gene Name** [ACAA2 acetyl-CoA acyltransferase 2 \[ Homo sapiens \]](#)

**Official Symbol** ACAA2

**Synonyms** ACAA2; acetyl-CoA acyltransferase 2; acetyl Coenzyme A acyltransferase 2; 3-ketoacyl-CoA thiolase, mitochondrial; DSAEC; mitochondrial 3 oxoacyl Coenzyme A thiolase; T1; beta ketothiolase; beta-ketothiolase; acetyl-Coenzyme A acyltransferase 2; mitochondrial 3-oxoacyl-CoA thiolase; mitochondrial 3-oxoacyl-Coenzyme A thiolase; FLJ35992; FLJ95265;

**Gene ID** [10449](#)

**mRNA Refseq** [NM\\_006111](#)

**Protein Refseq** [NP\\_006102](#)

**MIM** [604770](#)

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<b>UniProt ID</b>	P42765
<b>Chromosome Location</b>	18q21
<b>Pathway</b>	Fatty Acid Biosynthesis, organism-specific biosystem; Fatty acid biosynthesis, elongation, mitochondria, organism-specific biosystem; Fatty acid biosynthesis, elongation, mitochondria, conserved biosystem; Fatty acid elongation, organism-specific biosystem; Fatty acid elongation, conserved biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem;
<b>Function</b>	acetyl-CoA C-acyltransferase activity; protein binding; transferase activity, transferring acyl groups other than amino-acyl groups;

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