

## Recombinant Human ACAA2, His-tagged

Cat. No. ACAA2-3044H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	ACAA2
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	397
<b>Description</b>	The encoded protein 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. [provided by RefSeq, Jul 2008]
<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>Purity</b>	>85% by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Notes</b>	Small volumes of ACAA2 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

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

**Warning** This product is for research use only. Not for use in diagnostic or therapeutic procedures.

## 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](#)

**UniProt ID** [P42765](#)

**Chromosome Location** 18q21

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**Pathway**

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 biosyste

**Function**

acetyl-CoA C-acyltransferase activity; protein binding; transferase activity, transferring acyl groups other than amino-acyl groups;

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