

Recombinant Human ACAA2, His-tagged

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

SPECIFICATION

Product Overview	ACAA2
Species	Human
Source	E.coli
ProteinLength	397
Description	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]
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	42.6 kDa (404aa) confirmed by MALDI-TOF
Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Notes	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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