

Recombinant Human ACAT2, T7 -tagged

Cat. No. ACAT2-26052TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein (Human) fused to T7-tag at N-terminal end.
Species	Human
Source	E.coli
Description	The product of this gene is an enzyme involved in lipid metabolism, and it encodes cytosolic acetoacetyl-CoA thiolase. This gene shows complementary overlapping with the 3-prime region of the TCP1 gene in both mouse and human. These genes are encoded on opposite strands of DNA, as well as in opposite transcriptional orientation.
Conjugation	T7
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: 0.002% Sodium Azide Constituents: 0.1% Triton-X-100, 10mM Tris, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the thiolase family.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Full Length

Full L.

GENE INFORMATION

Gene Name

ACAT2 acetyl-CoA acetyltransferase 2 [Homo sapiens]

Official Symbol

ACAT2

Synonyms

ACAT2; acetyl-CoA acetyltransferase 2; acetyl Coenzyme A acetyltransferase 2 , acetyl Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase); acetyl-CoA acetyltransferase, cytosolic; acetoacetyl Coenzyme A thiolase;

Gene ID

39

mRNA Refseq

NM_005891

Protein Refseq

NP_005882

MIM

100678

Uniprot ID

Q9BWD1

Chromosome Location

6q25.3-q26

Pathway

Butanoate metabolism, organism-specific biosystem; Butanoate metabolism, conserved biosystem; C5 isoprenoid biosynthesis, mevalonate pathway, organism-specific biosystem; C5 isoprenoid biosynthesis, mevalonate pathway, conserved biosystem; Fat digestion and absorption, organism-specific biosystem;

Function

acetyl-CoA C-acetyltransferase activity; transferase activity, transferring acyl groups

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other than amino-acyl groups;

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