

## Recombinant Human ACAT2 protein, T7-tagged

Cat. No. ACAT2-166H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human ACAT2 fused with T7 Tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Form</b>	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
<b>AA Sequence</b>	MASMTGGQQMGRGEFGSNAGSDPVVIVSAARTIIGSFNGALAAVPVQDLGSTVIKE VLKRATVAPEDVSEVIFGH VLAAGCGQNPVRQASVGAGIPYSVPAWSCQMICGSGL KAVCLAVQSIGIGDSSIVVAGGMENMSKAPHLAYLRTG VKIGEMPLTDSILCDGLTD AFHNCHMGITAENVAKKWQVSREDQDKVAVLSQNRTEAQAQKAGHFDKEIVPVLVST RKGLIEVKTDEFPRHGSNIEAMSKLPYFLTDGTGTVTPANASGINDGAAAVLMMKK SEADKRGLTPLARIVSWS QVGVEPSIMGIGPIPAIKQAVTKAGWSLEDVDIFEINEAF AAVSAAIVKELGLNPEKVNIEGGAIALGHPLGASG CRILVTLHTLERMGRSRGVAAL CIGGGMGIAMCVQRE
<b>Purity</b>	>90% by SDS-PAGE
<b>Applications</b>	1. May be used for cell lipid metabolic pathway regulation study in vitro using recombinant ACAT2 protein intracellular delivery methods.2. May be used for in vitro protein-protein interaction measurement for mapping ACAT2 binder.3. Excellent lysine acetylation subtract protein for enzymatic assay development.4. May be used

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as antigen for specific antibody development.

**Storage**

Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

## 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; cytosolic acetoacetyl-CoA thiolase; acetyl-CoA transferase-like protein;

**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-

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

**Function**

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

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