

Recombinant Human ACAT2 protein, T7-tagged

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

SPECIFICATION

Product Overview	Recombinant human ACAT2 fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Form	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.
AA Sequence	MASMTGGQQMGRGEFGSNAGSDPVVIVSAARTIIGSFNGALAAVPVQDLGSTVIKE VLKRATVAPEDVSEVIFGH VLAAGCGQNPVRQASVGAGIPYSVPAWSCQMICGSGL KAVCLAVQSIGIGDSSIVVAGGMENMSKAPHLAYLRTG VKIGEMPLTDSILCDGLTD AFHNCHMGITAENVAKKWQVSREDQDKVAVLSQNRTENAQKAGHFDKEIVPVLVST RKGLIEVKTDEFPRHGSNIEAMSKLPYFLTDGTGTVTPANASGINDGAAAVLMKK SEADKRGLTPLARIVSWS QVGVEPSIMGIGPIPAIKQAVTKAGWSLEDVDIFEINEAF AAVSAAIVKELGLNPEKVNIEGGAIALGHPLGASG CRILVTLLHTLERMGRSRGVAAL CIGGGMGIAMCVQRE
Purity	>90% by SDS-PAGE
Applications	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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