

Recombinant Human ACAT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ACAT2-4673H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACAT2 MS Standard C13 and N15-labeled recombinant protein (NP_005882) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	41.4 kDa
AA Sequence	MNAGSDPVVIVSAARTIIGSFNGALAAVPVQDLGSTVIKEVLKRATVAPEDVSEVIFG HVLAAGCGQNPVRQASVGAGIPYSVPAWSCQMICGSLKAVCLAVQSIGIGDSSIVV AGGMENMSKAPHLAYLRTGVKIGEMPLTDSILCDGLTDAFHNMGMGITAENVAKKW QVSREDQDKVAVLSQNR TENAQKAGHFDKEIVPVLVSTRRGLIEVKTDEFPRHGSNI EAMSKLKP YFLT DGTGTVTPANASGINDGAAAVVLMKKSEADKRGLTPLARIVSWSQ VGVEPSIMGIGPIPAIKQAVTKAGWSLEDVDIFEINEAFAAVSAAIVKELGLNPEKVNIE GGAIALGHPLGASGCRILVTLHTLERMGRSRGVAALCIGGGMGIAMCVQRETRTRP

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LEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ACAT2 acetyl-CoA acetyltransferase 2 [Homo sapiens (human)]
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

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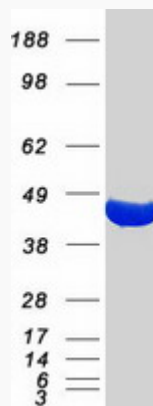
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UniProt ID

Q9BWD1

SDS-PAGE

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