

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

MNAGSDPVVIVSAARTIIGSFNGALAAVPVQDLGSTVIKEVLKRVAPEDVSEVIFG
 HVLAAGCGQNPVRQASVVGAGIPYSVPAWSCQMICGSLKAVCLAVQSIGIGDSSIVV
 AGGMENMSKAPHLAYLRTGVKIGEMPLTDSILCDGLTDAFHNMCHMGITAENVAKKW
 QVSREDQDKVAVLSQNRTEAQAQKAGHFDKEIVPVLVSTRRLIEVKTDEFPRHGSNI
 EAMSKLKPYPFLTDGTGTVTPANASGINDGAAAVVLMKKSEADKRGLTPLARIVSWSQ
 VGVEPSIMGIGPIPAIKQAVTKAGWSLEDVDIFEINEAFAAVSAAIVKELGLNPEKVNIE
 GGAIALGHPLGASGCRILVTLHTLERMGRSRGVAALCIGGGMGIAMCVQRETRTRP

 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

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](#)

 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



UniProt ID

Q9BWD1

 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