

Acetyl-Coenzyme A acetyltransferase 2 Recombinant Protein | ACAT2 recombinant protein

Recombinant Human Acetyl-Coenzyme A acetyltransferase 2

CATALOG # AAA38262	HOST E Coli
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PRODUCT SYNONYMS

Acetyl-Coenzyme A acetyltransferase 2; Recombinant Human Acetyl-Coenzyme A acetyltransferase 2; ACAT2 Human; Acetyl-Coenzyme A acetyltransferase 2 Human Recombinant; Acetyl-CoA acetyltransferase cytosolic; Cytosolic acetoacetyl-CoA thiolase; ACAT2; Acetyl CoA transferase-like protein; ACAT-2; ACAT2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	ACAT2 Human solution containing 20mM Tris pH-8, 0.1M NaCl, 1mM DTT and 20% glycerol. Sterile Filtered clear solution.
Concentration	1mg/ml (varies by lot)
Sequence	<u>MRGSHHH HHHGMASMTG GQQMGRDLYD DDDKDRWGS< /u>MNAGSDP VVIVSAARTI IGSFNGALAA</u> <u>VPVQDLGSTV IKEVLKRATV APEDVSEVIF GHVLAAGCGQ NPVRQASVGA GIPYSVPAWS CQMICGSLK</u> <u>AVCLAVQSIG IGDSSIVVAG GMENMSKAPH LAYLRTGVKI GEMPLTDSIL CDGLTDAFHN CHMGITAENV</u> <u>AKKWQVSRED QDKVAVLSQN RTENAQKAGH FDKEIVPLV STRKGLIEVK TDEFPRHGSN IEAMSKLKPY</u> <u>FLTDGTGTVT PANASGINDG AAAVLMKKS EADKRGLTPL ARIVSWSQVG VEPSIMGIGP IPAIKQAVTK</u> <u>AGWSLEDVDI FEINEAFAAV SAAIVKELGL NPEKVNIEGG AIALGHPLGA SGCRILVTLL HTLERMGRSR</u> <u>GVAALCIGGG MGIAMCVQR</u>
Sequence Length	397
Preparation and Storage	ACAT2 Human although stable at 4 degree C for 1 week, should be stored desiccated below -18 degree C. Please prevent freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for ACAT2 recombinant protein	Description: ACAT2 Recombinant Human produced in E Coli is a single, non-glycosylated polypeptide chain containing 433 amino acids (1-397 a.a.) and having a molecular mass of 45.4 kDa. The ACAT2 is fused to 36 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: ACAT2 enzyme participates in lipid metabolism. ACAT2 takes part in lipoprotein assembly, catalyzing cholesterol esterification in mammalian cells. ACAT2 is an integral membrane protein that localizes to the endoplasmic reticulum of human intestinal cells. ACAT2 deficiency contributes to severe mental retardation and hypotonus.
Product Categories/Family for ACAT2 recombinant protein	Enzymes; Transferase

NCBI AND UNIPROT INFORMATION

NCBI GI #	148539872
NCBI GeneID	39
NCBI Accession #	NP_005882.2

NCBI GenBank Nucleotide #	NM_005891.2
UniProt Accession #	Q9BWD1 ; Q16146 ; Q5TCL7 ; Q8TDM4 ; B7Z233 ; E1P5B1
Molecular Weight	44,643 Da
NCBI Official Full Name	acetyl-CoA acetyltransferase, cytosolic isoform 1
NCBI Official Synonym Full Names	acetyl-CoA acetyltransferase 2
NCBI Official Symbol	ACAT2
NCBI Protein Information	acetyl-CoA acetyltransferase, cytosolic; acetoacetyl Coenzyme A thiolase; acetyl-CoA transferase-like protein; cytosolic acetoacetyl-CoA thiolase
UniProt Protein Name	Acetyl-CoA acetyltransferase, cytosolic
UniProt Gene Name	ACAT2
UniProt Synonym Gene Names	ACTL
UniProt Entry Name	THIC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/acet2-recombinant-protein-e-coli/38262>