

Recombinant Human SOAT2 Protein, Trx-His-tagged

Cat. No. SOAT2-111H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SOAT2 fused with N-terminal Trx-His was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene is a member of a small family of acyl coenzyme A:cholesterol acyltransferases. The gene encodes a membrane-bound enzyme localized in the endoplasmic reticulum that produces intracellular cholesterol esters from long-chain fatty acyl CoA and cholesterol. The cholesterol esters are then stored as cytoplasmic lipid droplets inside the cell. The enzyme is implicated in cholesterol absorption in the intestine and in the assembly and secretion of apolipoprotein B-containing lipoproteins such as very low density lipoprotein (VLDL). Several alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.
Form	Supplied as a 0.2 μM filtered solution of PBS, pH 7.4
Molecular Mass	42kD
AA Sequence	MSDKIIHLTDDSFDTDVLKADGAILVDFWAEWCGPCKMIAPILDEIADEYQGKLTVAK LNIDQNPGTAPKYGIRGIPTLLLFKNGEVAATKVGALSKGQLKEFLDANLAGSGSGH MHSHHHHSSGLVPRGSGMKETAAAKFERQHMDSPDLGTDDDDKAMADIGSMNAG SDPVVIVSAARTIIGSFNGALAAVPVQDLGSTVIKEVLKRATVAPEDVSEVIFGHVLAA GCGQNPVRQASVGAGIPYSVPAWSCQM

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Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

GENE INFORMATION

Gene Name [SOAT2 sterol O-acyltransferase 2 \[Homo sapiens \]](#)

Official Symbol [SOAT2](#)

Synonyms SOAT2; sterol O-acyltransferase 2; ACAT2; ACAT-2; cholesterol acyltransferase 2; acyl-CoA:cholesterol acyltransferase 2; acyl Co-A: cholesterol acyltransferase 2; acyl coenzyme A:cholesterol acyltransferase 2; acyl-coenzyme A:cholesterol acyltransferase 2; ARGP2; AACT2; MGC116732;

Gene ID [8435](#)

mRNA Refseq [NM_003578](#)

Protein Refseq [NP_003569](#)

MIM [601311](#)

UniProt ID [O75908](#)

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