

Recombinant Human SOAT1 cell lysate

Cat. No. SOAT1-1665HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Acyl-coenzyme A:cholesterol acyltransferase (ACACT; EC 2.3.1.26) is an intracellular protein located in the endoplasmic reticulum that forms cholesterol esters from cholesterol. Accumulation of cholesterol esters as cytoplasmic lipid droplets within macrophages and smooth muscle cells is a characteristic feature of the early stages of atherosclerotic plaques (Cadigan et al., 1988 [PubMed 3335499]).
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	SOAT1 sterol O-acyltransferase 1 [Homo sapiens]
Official Symbol	SOAT1
Synonyms	SOAT1; sterol O-acyltransferase 1; SOAT, STAT, sterol O acyltransferase (acyl Coenzyme A: cholesterol acyltransferase) 1; ACAT; acyl Coenzyme A: cholesterol acyltransferase; acyl-coenzyme A:cholesterol acyltransferase 1; sterol O-

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	acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1; SOAT; STAT; ACACT; ACAT1; ACAT-1;
Gene ID	6646
mRNA Refseq	NM_001252511
Protein Refseq	NP_001239440
MIM	102642
UniProt ID	P35610
Chromosome Location	1q25
Pathway	Statin Pathway, organism-specific biosystem; Steroid biosynthesis, organism-specific biosystem; Steroid biosynthesis, conserved biosystem;
Function	cholesterol O-acyltransferase activity; cholesterol O-acyltransferase activity; cholesterol binding; fatty-acyl-CoA binding; sterol O-acyltransferase activity; sterol O-acyltransferase activity; transferase activity, transferring acyl groups;