

Recombinant Human SOAT1

Cat. No. SOAT1-31430TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human SOAT 1 with N terminal proprietary tag, predicted mwt: 33.66 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	73 amino acids
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.
Molecular Weight	33.660kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 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

Sequences of amino acids	PPASRFIIIFEQIRFVMKAHSFVRENVPRVLNSAKEKSSTVPIPTVNQYLYFLFAPTLIY RDSYPRNPTVRWG
Sequence Similarities	Belongs to the membrane-bound acyltransferase family. Sterol o-acyltransferase subfamily.
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;
Gene ID	6646
mRNA Refseq	NM_003101
Protein Refseq	NP_003092
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;

 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