

Product Information

MemDX™ Membrane Protein Human SOAT1 (Sterol O-acyltransferase 1) Full Length

Cat. No.: **MPC1490K**

This product is for research use only and is not intended for diagnostic use.

This product is a 64.7 kDa Human SOAT1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

SOAT1

Protein Length

Full length

Protein Class

Transferase

Molecular Weight

64.7 kDa

TMD

9

Sequence

MVGEEKMSLRNRLSKSRENPEEDEDQRNPAKESLETPSNGRIDIKQLIAK
KIKLTAEAEELKPFMKEVGSFDDFVTNLIEKSASLDNGGCALTTFSVL
EGEKNNHRAKDLRAPPEQGGKIFIARRSLLDELLEVDHIRTIIYHMFIALLI
LFILSTLVVDYIDEGRLVLEFSLLSYAFGKFPTVWWTWWIMFLSTFSVPY
FLFQHWATGYSKSSHPLIRSLFHGFLMIFQIGVLGFGPTYVVLAYTLPP
ASRFIIIFEQIRFVMKAHSFVRENVPRVLNSAKEKSSTVPIPTVNQYLYF
LFAPTLIYRDSYPRNPTVRWGYVAMKFAQVFGCFFVYVYIFERLCAPLFR
NIKQEPFSARVLVLCVFNSILPGVLILFLTFFAFLHCWLNAFAEMLRFGD
RMFYKDWVNSTSYSNYRTWNVVVHDWLYYYAYKDFLWFFSKRFKSAAML
AVFAVSAVVHEYALAVCLSFFYPVLFVLFMFFGMAFNFIVNDSRKKPIWN
VLMWTSFLFLGNGVLLCFYSQEWYARQHCLKNPTFLDYVRPRSWTCRYVF

Product Description

Expression Systems

HEK293

Tag

Flag tag at the N-terminus and 10xHis tag at the C-terminus

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

SOAT1

Full Name

Sterol O-acyltransferase 1

Introduction

The protein encoded by this gene belongs to the acyltransferase family. It is located in the endoplasmic reticulum, and catalyzes the formation of fatty acid-cholesterol esters. This gene has been implicated in the formation of beta-amyloid and atherosclerotic plaques by controlling the equilibrium between free cholesterol and cytoplasmic cholesteryl esters. Alternatively spliced transcript variants have been found for this gene.

Alternative Names

SOAT1; ACAT; SOAT; STAT; ACACT; ACAT1; ACAT-1; acyl-coenzyme A:cholesterol acyltransferase 1; sterol O-acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1; Sterol O-acyltransferase 1

Gene ID

[6646](#)

UniProt ID

[P35610](#)