

Product Information

MemDX™ Membrane Protein Human SOAT2 (Sterol O-acyltransferase 2) Full Length

Cat. No.: **MPC4181K**

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

This product is a made-to-order Human SOAT2 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

SOAT2

Protein Length

Full length

Protein Class

Transferase

TMD

9

Sequence

MEPGGARLRRLQRTEGLGGERERQPCGDGNTETHRAPDLVQWTRHMEAVKA
QLLEQAQQQLRELLDRAMREAIQSYPSQDKPLPPPPPGSLSRTEPSLGK
QKVFIIRKSLDELMEVQHFRITIHMFIAGLCVFIISTLAIDFIDEGRL
LEFDLLIFSFGQLPLALVTWVPMFLSTLLAPYQALRLWARGTWTQATGLG
CALLAAHAVLVCALPVHVAVEHQLPPASRCVLVFEQVRFLMKSYSFLREA
VPGTLRARRGEGIQAPSFSSYLYFLCPTLIYRETYPRTPYVRWNYVAKN
FAQALGCVLYACFILGRLCVPVFANMSREPFSTRALVLSILHATLPGIFM
LLLIFFAFLHCWLNFAFAEMLRFGDRMFYRDWWNSTSFSNYYRTWNVVVHD
WLYSYVYQDGLRLLGARARGVAMLGVFLVSAVAHEYIFCFVLGFFYPVML
ILFLVIGGMLNFMMDQRTGPAWNVLMWTMLFLGQGIQVSLYCQEWYARR
HCPLPQATFWGLVTPRSWSCHT

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

SOAT2

Full Name

Sterol O-acyltransferase 2

Introduction

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.

Alternative Names

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

Gene ID

[8435](#)

UniProt ID

[O75908](#)