

Datasheet for ABIN7546143
SOAT1 Protein (AA 1-550) (His tag)



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Overview

Quantity:	1 mg
Target:	SOAT1
Protein Characteristics:	AA 1-550
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOAT1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SOAT1 Protein expressed in mammalian cells.
Sequence:	<p>MVGEEKMSLR NRLSKSRENP EEDEDQRNPA KESLETSPSNG RIDIKQLIAK KIKLTAEAE LKPFFMKEVG SHFDDFVTNL IEKSASLDNG GCALTTFSVL EGEKNNHRAK DLRAPPEQ GK IFIARRSLLD ELLEVDHIRT IYHMFIALLI LFILSTLVVD YIDEGRLVLE FSLLSYAFGK FPTVVWTTWWI MFLSTFSVPY FLFQHWATGY SKSSHPLIRS LFHGFLFMIF QIGVLGFGPT YVVLAYTLPP ASRFIIIFEQ IRFVMKAHSF VRENVPRVLN SAKEKSSTVP IPTVNQYLYF LFAPTLIYRD SYPRNPTVRW GYVAMKFAQV FGCFFVYYYI FERLCAPLFR NIKQEPFSAR VLVLCVFNSI LPGVLILFLT FFAFLHCWLN AFAEMLRFGD RMFYKDDWNS TSYSNYRTW NWWWHDWLYY YAYKDFLWFF SKRFKSAAML AVFAVSAVVH EYALAVCLSF FYPVLFVLFM FFGMAFNFIV NDSRKKPIWN VLMWTSFLFG NGVLLCFYSQ EWYARQHCPL KNPTFLDYVR PRSWTCRYVF</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary.</p>

Product Details

In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

SOAT1

Alternative Name:

SOAT1 ([SOAT1 Products](#))

Background:

Sterol O-acyltransferase 1 (EC 2.3.1.26) (Acyl-coenzyme A:cholesterol acyltransferase 1) (ACAT-1) (Cholesterol acyltransferase 1),FUNCTION: Catalyzes the formation of fatty acid-cholesterol esters, which are less soluble in membranes than cholesterol (PubMed:16154994, PubMed:16647063, PubMed:9020103, PubMed:32433614, PubMed:32433613, PubMed:32944968). Plays a role in lipoprotein assembly and dietary cholesterol absorption (PubMed:16154994, PubMed:9020103). Utilizes oleoyl-CoA ((9Z)-octadecenoyl-CoA) preferentially as substrate: shows a higher activity towards an acyl-CoA substrate with a double bond at the delta-9 position (9Z) than towards saturated acyl-CoA or an unsaturated acyl-CoA with a double bond at the delta-7 (7Z) or delta-11 (11Z) positions (PubMed:11294643, PubMed:32433614). {ECO:0000269|PubMed:11294643, ECO:0000269|PubMed:16154994, ECO:0000269|PubMed:16647063, ECO:0000269|PubMed:32433613, ECO:0000269|PubMed:32433614, ECO:0000269|PubMed:32944968,

Target Details

ECO:0000269|PubMed:9020103}.

Molecular Weight: 64.7 kDa

UniProt: [P35610](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months