

Datasheet for ABIN7546333
SOAT2 Protein (AA 1-522) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SOAT2
Protein Characteristics:	AA 1-522
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOAT2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SOAT2 Protein expressed in mammalian cells.
Sequence:	<p>MEPGGARLRL QRTEGLGGER ERQPCGDGNT ETHRAPDLVQ WTRHMEAVKA QLLEQAQQQL RELLDRAMRE AIQSYPQDK PLPPPPGSL SRTQEPSLGK QKVFIIRKSL LDELMEVQHF RTIYHMFIAI LCVFIISTLA IDFIDEGRLL LEFDLLIFS FQLPLALVTW VPMFLSTLLA PYQALRLWAR GTWTQATGLG CALLAAHAVV LCALPVHVAV EHQLPPASRC VLVFEQVRFL MKSYSFLREA VPGTLRARRG EGIQAPSFSS YLYFLFCPTL IYRETYPRTP YVRWNYVAKN FAQALGCVLY ACFILGRLCV PVFANMSREP FSTRALVLSI LHATLPGIFM LLLIFFAFLH CWLNAFAEML RFGDRMFYRD WWNSTSFSNY YRTWNVVVHD WLYSYVYQDG LRLGARG VAMLGVFLVS AVAHEYIFCF VLGFYFVML ILFLVIGGML NFMHMQRTG PAWNVLMWTM LFLGQGIQVS LYCQEWYARR HCPLPQATFW GLVTPRSWSC HT 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. In case you have a special request, please contact us.</p>

Product Details

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: SOAT2

Alternative Name: SOAT2 ([SOAT2 Products](#))

Background: Sterol O-acyltransferase 2 (EC 2.3.1.26) (Acyl-coenzyme A:cholesterol acyltransferase 2) (ACAT-2) (Cholesterol acyltransferase 2),FUNCTION: Catalyzes the formation of fatty acid-cholesterol esters, which are less soluble in membranes than cholesterol (PubMed:16647063, PubMed:11294643). Plays a role in lipoprotein assembly and dietary cholesterol absorption (PubMed:11294643). Utilizes oleoyl-CoA ((9Z)-octadecenoyl-CoA) and linolenoyl-CoA ((9Z,12Z,15Z)-octadecatrienoyl-CoA) as substrates (PubMed:11294643). May provide cholesteryl esters for lipoprotein secretion from hepatocytes and intestinal mucosa (PubMed:11294643). {ECO:0000269|PubMed:11294643, ECO:0000269|PubMed:16647063},. FUNCTION: [Isoform 2]: Has lower enzymatic activity compared to isoform 1. {ECO:0000269|PubMed:16331323},. FUNCTION: [Isoform 3]: Has lower enzymatic activity compared to isoform 1. {ECO:0000269|PubMed:16331323}.

Target Details

Molecular Weight: 59.9 kDa

UniProt: [O75908](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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