

Datasheet for ABIN7563894
SCARB1 Protein (AA 1-509) (His tag)



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Overview

Quantity:	1 mg
Target:	SCARB1
Protein Characteristics:	AA 1-509
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCARB1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Scarb1 Protein expressed in mammalien cells.
Sequence:	MGGSSRARWV ALGLGALGLL FAALGVVMIL MVPSLIKQV LKNVRIDPSS LSGMWKEIP VPFYLSVYFF EVVNPNEVLN GQKPVVREGR PYVYREFRQK VNITFNDNDT VSFVENRSLH FQPKSHGSE SDYIVLPNIL VLGGSILMES KPVSLKMMT LALVTMGQRA FMNRTVGEIL WGYDDPFVHF LNTYLPDMLP IKGKFGLFVG MNNSNSGVFT VFTGVQNF SR IHLVDKWNGL SKIDYWHSEQ CNMINGTSGQ MWAPFMTPE SLEFFSPEAC RSMKLTYNES RVFEGIPTYR FTAPDTLFAN GSVYPPNEGF CPCRESGIQN VSTCRFGAPL FLSHPHFYNA DPVLSEAVLG LNPNPKEHSL FLDIHPVTGI PMNCSVKMQL SLYIKSVKGI GQTGKIEPVV LPLLWFEQSG AMGGKPLSTF YTQLVLMQV LHYAQYVLLG LGGLLLLVI ICQLRSQEK C FFWSGSKKG SQDKEAIQAY SESLMSPA AK GTVLQEAKL 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

Product Details

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:

SCARB1

Alternative Name:

Scarb1 ([SCARB1 Products](#))

Background:

Scavenger receptor class B member 1 (SRB1) (SR-BI),FUNCTION: Receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells (By similarity). Both isoform 1 and isoform 2 act as receptors for HDL, mediating selective uptake of cholesteryl ether and HDL-dependent cholesterol efflux (PubMed:9254074, PubMed:9614139). Also facilitates the flux of free and esterified cholesterol between the cell surface and apoB-containing lipoproteins and modified lipoproteins, although less efficiently than HDL. May be involved in the phagocytosis of apoptotic cells, via its phosphatidylserine binding activity (By similarity). {ECO:0000250|UniProtKB:Q8WTV0, ECO:0000269|PubMed:9254074, ECO:0000269|PubMed:9614139}.

Molecular Weight:

56.8 kDa

UniProt:

[Q61009](#)

Target Details

Pathways: [Cellular Response to Molecule of Bacterial Origin, Hepatitis C, Lipid Metabolism, SARS-CoV-2 Protein Interactome](#)

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