

Datasheet for ABIN7555418  
**SCARB1 Protein (AA 1-552) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SCARB1
Protein Characteristics:	AA 1-552
Origin:	Human
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 mammalian cells.
Sequence:	<p>MGCSAKARWA AGALGVAGLL CAVLGAVMIV MVPSLIQQV LKNVRIDPSS LSFNMWKEIP IPFYLSVYFF DVMNPSEILK GEKPQVRERG PYVYREFRHK SNITFNNNDT VSFLEYRTFQ FQPSKSHGSE SDYIVMPNIL VLGAAVMMEN KPMTLKLIMIT LAFTTLGERA FMNRTVGEIM WGYKDPLVNL INKYFPGMFP FKDKFGLFAE LNNSDSGLFT VFTGVQNISR IHLVDKWNGL SKVDFWHSdq CNMINGTSGQ MWPPFMTPEs SLEFYsPEAC RSMKLMYKES GVFEGIPTYR FVAPKTLFAN GSIYPPNEGF CPCLESGIQN VSTCRFSAPL FLSHPHFLNA DPVLAEAVTG LHPNQEAHSL FLDIHPVTGI PMNCSVKLQL SLYMKSVAGI GQTGKIEPVV LPLLWFAESG AMEGETLHTF YTQLVLMpkV MHYAQYVLLA LGCVLLLVPV ICQIRSQVGA GQRAARADSH SLACWGKGAS DRTLWPTAAW SPPPAAVLRL CRSGSGHCWG LRSTLASFAC RVATTLPVLE GLGPSLGGGT GS <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</b></p>

## Product Details

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**another tag necessary. In case you have a special request, please contact us.**

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### 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.

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### Purity:

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

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### Grade:

custom-made

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## Target Details

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### Target:

SCARB1

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### Alternative Name:

SCARB1 ([SCARB1 Products](#))

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### Background:

Scavenger receptor class B member 1 (SRB1) (CD36 and LIMPII analogous 1) (CLA-1) (CD36 antigen-like 1) (Collagen type I receptor, thrombospondin receptor-like 1) (SR-BI) (CD antigen CD36),FUNCTION: Receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells (PubMed:12016218, PubMed:12519372, PubMed:21226579). Receptor for HDL, mediating selective uptake of cholesteryl ether and HDL-dependent cholesterol efflux (PubMed:26965621). 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 (PubMed:12016218).  
{ECO:0000269|PubMed:12016218, ECO:0000269|PubMed:12519372, ECO:0000269|PubMed:16020694, ECO:0000269|PubMed:21226579, ECO:0000269|PubMed:26965621}., FUNCTION: (Microbial infection) Acts as a receptor for

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## Target Details

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hepatitis C virus in hepatocytes and appears to facilitate its cell entry (PubMed:12356718, PubMed:12913001, PubMed:18000990). Binding between SCARB1 and the hepatitis C virus glycoprotein E2 is independent of the genotype of the viral isolate (PubMed:12356718). {ECO:0000269|PubMed:12356718, ECO:0000269|PubMed:18000990}., FUNCTION: (Microbial infection) Mediates uptake of M.fortuitum, E.coli and S.aureus. {ECO:0000269|PubMed:16020694}., FUNCTION: (Microbial infection) Facilitates the entry of human coronavirus SARS-CoV-2 by acting as an entry cofactor through HDL binding. {ECO:0000269|PubMed:33244168}.

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Molecular Weight: 60.9 kDa

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UniProt: [Q8WTV0](#)

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

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months