

[Go to Product page](#)

Datasheet for ABIN7491725

SCARB1 Protein

Overview

Quantity:	100 µg
Target:	SCARB1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic

Product Details

Purpose:	Human SCARB1 full length protein-synthetic nanodisc
Characteristics:	Full Length Transmembrane Proteins (synthetic Nanodisc)

Target Details

Target:	SCARB1
Alternative Name:	SCARB1 (SCARB1 Products)
Background:	<p>CD36L1, CLA-1, CLA1, HDLQTL6, SR-BI, SRB1</p> <p>Description: The protein encoded by this gene is a plasma membrane receptor for high density lipoprotein cholesterol (HDL). The encoded protein mediates cholesterol transfer to and from HDL. In addition, this protein is a receptor for hepatitis C virus glycoprotein E2. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2019]</p>
Molecular Weight:	The human full length SCARB1 protein has a MW of 56 kDa
UniProt:	Q8WTV0

Target Details

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

Application Details

Application Notes:

- Applications for VLPs:
- ELISA
- SPR affinity analysis
- Phage display screening
- Immunization
- Cell based assays
- CAR-T cell screening
- Protein crystal structure analysis

Comment: Synthetic Nanodisc can be prepared directly from the cells. The polymers used during this process have a dual function. It dissolves the cell membranes, like the detergent, and uses cellular phospholipids to form Nanodisc around the membrane proteins. The target protein embedded Nanodiscs can then be purified.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Supplied in nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0)

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months