

Datasheet for ABIN2181726

SCARB1 Protein (AA 33-443) (Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	SCARB1
Protein Characteristics:	AA 33-443
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCARB1 protein is labelled with Fc Tag.

Product Details

Sequence:	AA 33-443
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 72.6 kDa. As a result of glycosylation, the protein migrates as 110-115 kDa under reducing (R) condition, and 220-230 kDa under non-reducing (NR) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	SCARB1
Alternative Name:	SCARB1 (SCARB1 Products)

Target Details

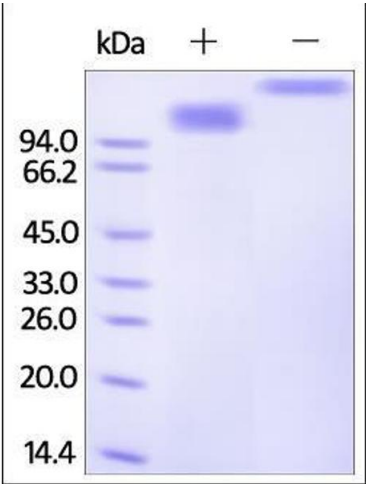
Background:	Scavenger receptor class B member 1 (SRB1) is also known as SR-BI, CD36 and LIMPII analogous 1 (CD36L1), CLA-1, is a member of the scavenger receptor family or CD36 family. CD36L1 is an integral membrane protein found in numerous cell types/tissues, including the liver and adrenal. SRB1 is receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells. CLA-1 facilitates the flux of free and esterified cholesterol between the cell surface and extracellular donors and acceptors, such as high-density lipoprotein (HDL) and to a lesser extent, apoB-containing lipoproteins and modified lipoproteins. SCARB1 is, along with CD81, the receptor for the entry of the Hepatitis C virus glycoprotein E2 in liver cells, and binding between SCARB1 and E2 was found to be independent of the genotype of the viral isolate. SRB1 plays an important role in the uptake of HDL cholesteryl ester.
Molecular Weight:	72.7 kDa
NCBI Accession:	NP_005496
Pathways:	Cellular Response to Molecule of Bacterial Origin , Hepatitis C , Lipid Metabolism , SARS-CoV-2 Protein Interactome

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM Glycine, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).



SDS-PAGE

Image 1. Human SCARB1, Fc Tag on SDS-PAGE under reducing (R) and no-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.