

Datasheet for ABIN7320319
SCARB1 Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	SCARB1
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCARB1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse SR-BI/CD36L1 Protein (His Tag)
Sequence:	Pro 33-Val 440
Characteristics:	A DNA sequence encoding the mature form of mouse SRB1 (NP_058021.1) extracellular domain (Pro 33-Val 440) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	SCARB1
Alternative Name:	SR-BI/CD36L1 (SCARB1 Products)
Background:	Background: Scavenger receptor class B, member 1 (SCARB1), also known as CD36L1, is a member of the scavenger receptor family. SCARB1 is expressed primarily in liver and non placental steroidogenic tissues, and predominantly localized to cholesterol and sphingomyelin-

Target Details

enriched domains within the plasma membrane. SCARB1 is proposed as a receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells, and is involved in a wide variety of physiological processes. As a key component in the reverse cholesterol transport pathway, SCARB1 binds high density lipoproteins (HDLs) and mediates selective cholesterol uptake by a mechanism distinct from the LDL pathway. High density lipoproteins (HDLs) play a critical role in cholesterol metabolism and their plasma concentrations are inversely correlated with risk for atherosclerosis. SCARB1 may thus serve as a useful marker that predicts variation in baseline lipid levels and postprandial lipid response. The mouse SCARB1 has been shown to exert actions in determining the levels of plasma lipoprotein cholesterol and the accumulation of cholesterol stores in the adrenal gland.

Synonym: AI120173;CD36;Cd36l1;Cla-1;Cla1;D5Ert460e;Hdlq1;Hlb398;mSR-BI;SR-B1;SR-BI;Srb1;SRBI

Molecular Weight: 47 kDa

NCBI Accession: [NP_058021](#)

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

Application Details

Restrictions: For Research Use only

Handling

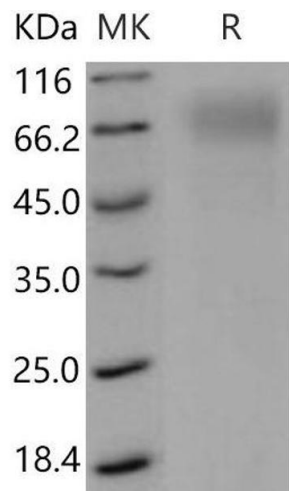
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.