

## SCARB1 Protein, Human, Recombinant (His &amp; SUMO)

## General Information

Synonyms:	CD36 and LIMPII analogous 1 (CLA-1); Scavenger receptor class B member 1; CLA1; SRB1; CD36; SCARB1; CD36L1; Collagen type I receptor, thrombospondin receptor-like 1; CD36 antigen-like 1; SR-BI
Protein Construction:	33-443 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q8WTV0
Molecular Weight:	62.7 kDa (predicted)
AA Sequence:	PSLIKQQVLKNVRIDPSSLSFNMWKEIPIPFYLSVYFFDVMNPSEILKGEKPQVRERGPYVYREFRHKS NITFNN NDTVSFLEYRTFQFQPSKSHGSESDYIVMPNIVLGAAVMMENKPMTLKLIMTLAFTTLGERAFMNRTVGEIM WGYKDPLVNLINKYFPGMFPFKDKFGLFAELNNSDSGLFTVFTGVQNISRIHLVDKWNGLSKVDFWHS DQC NMINGTSGQMWPFPMTPESSLEFYSPACRSMKLMYKESGVFEGIPTYRFVAPKTLFANGSIYPPNEGFCPL ESGIQNVSTCRFSAPLFLSHPHFLNADPVLAEAVTGLHPNQEAHSLFLDIHPVTGIPMNC SVKLQLSLYMKSV AGIGQTGKIEPVVLP LLWFAESGAMEGETLHTFYTQLVLMPKVMHY

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

## A DRUG SCREENING EXPERT

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Receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells. Receptor for HDL, mediating selective uptake of cholesteryl ether and HDL-dependent cholesterol efflux. 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.; (Microbial infection) Acts as a receptor for hepatitis C virus in hepatocytes and appears to facilitate its cell entry. Binding between SCARB1 and the hepatitis C virus glycoprotein E2 is independent of the genotype of the viral isolate.; (Microbial infection) Mediates uptake of M. fortuitum, E.coli and S.aureus.; (Microbial infection) Facilitates the entry of human coronavirus SARS-CoV-2 by acting as an entry cofactor through HDL binding.

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