

Recombinant Human SCARB1 Protein (33-443 aa), His-SUMO-tagged

Cat. No. SCARB1-1087H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SCARB1 Protein (33-443 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cancer. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	33-443 aa
Description	Receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells. Probable receptor for HDL, located in particular region of the plasma mbrane, called caveolae. Facilitates the flux of free and esterified cholesterol between the cell surface and Extracellular domain donors and acceptors, such as HDL and to a lesser extent, apoB-containing lipoproteins and modified lipoproteins. Probably involved in the phagocytosis of apoptotic cells, via its phosphatidylserine binding activity. Receptor for hepatitis C virus glycoprotein E2. Binding between SCARB1 and E2 was found to be independent of the genotype of the viral isolate. Plays an important role in the uptake of HDL cholesteryl ester.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	62.7 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

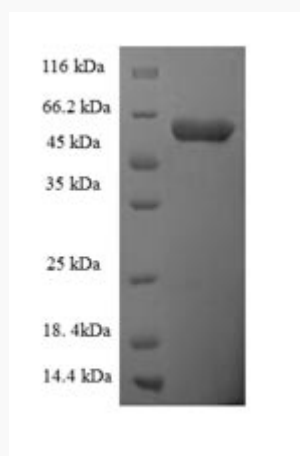
AA Sequence	PSLIKQQVLKNVRIDPSSLSFNMWKEIPIPFYLSVYFFDVMNPSEILKGEKPQVRERG PYVYREFRHKSNITFNNNDTVSFLEYRTFQFQPSKSHGSESDYIVMPNILVLGAAVM MENKPMTLKLIMTLAFTTLGERAFMNRTVGEIMWGYKDPLVNLINKYFPGMFPFKDK FGLFAELNNSDSGLFTVFTGVQNISRIHLVDKWNGLSKVDFWHSDQCNMINGTSGQ MWPPFMTPESSLEFYSPACRSMKLMYKESGVFEGIPTYRFVAPKTLFANGSIYPPN EGFCPCLESIGQNVSTCRFSAPLFLSHPHFLNADPVLAEAVTGLHPNQEAHSLFLDIH PVTGIPMNCSVKLQLSLYMKSVAGIGQTGKIEPVVLP LLWFAESGAMEGETLHTFYT QLVLM PKVMHY
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.
GENE INFORMATION	
Gene Name	SCARB1 scavenger receptor class B, member 1 [Homo sapiens]
Official Symbol	SCARB1
Synonyms	SCARB1; CLA 1; CLA1; SR BI; SRB1; CLA-1; SR-BI; CD36L1; HDLQTL6; MGC138242;
Gene ID	949

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mRNA Refseq	NM_001082959
Protein Refseq	NP_001076428
MIM	601040
UniProt ID	Q8WTV0



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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