

Active Recombinant Human SCARB2 Protein, Fc-tagged

Cat. No. SCARB2-0723H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human SCARB2, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Arg 27 - Thr 432 (Accession # AAH21892). This protein carries a human IgG1 Fc tag at the C-terminus. Predicted N-terminus: Arg 27
Species	Human
Source	HEK293
ProteinLength	27-432 aa
Description	Scavenger receptor class B member 2 (SCARB2) is also known as Lysosome membrane protein 2 (LIMP2), 85 kDa lysosomal membrane sialoglycoprotein (LGP85), CD36 antigen-like 2 (CD36L2, LIMP2), which belongs to the CD36 family. SCARB2 acts as a lysosomal receptor for glucosylceramidase (GBA) targeting.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human R-Spondin 1, His Tag at 5 µg/mL (100 µL/well) can bind Human SCARB2, Fc Tag with a linear range of 0.02-1.25 µg/mL.
Molecular Mass	The protein has a calculated MW of 72.6 kDa. The protein migrates as 90-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/µg by the LAL method/rFC method.

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

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

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Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	SCARB2 scavenger receptor class B member 2 [Homo sapiens (human)]
Official Symbol	SCARB2
Synonyms	SCARB2; scavenger receptor class B, member 2; CD36 antigen (collagen type I receptor, thrombospondin receptor) like 2 (lysosomal integral membrane protein II), CD36L2; lysosome membrane protein 2; HLGP85; LIMP 2; LIMP II; SR BII; LIMP II; CD36 antigen-like 2; lysosome membrane protein II; 85 kDa lysosomal membrane sialoglycoprotein; 85 kDa lysosomal sialoglycoprotein scavenger receptor class B, member 2; CD36 antigen (collagen type I receptor, thrombospondin receptor)-like 2 (lysosomal integral membrane protein II); AMRF; EPM4; LGP85; CD36L2; LIMP-2; SR-BII;
Gene ID	950
mRNA Refseq	NM_001204255
Protein Refseq	NP_001191184

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MIM	602257
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UniProt ID	Q14108
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