

Recombinant Human SCARB2 Protein, Fc/His-tagged

Cat. No. SCARB2-2029H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIMPII/SR-B2 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Arg27-Thr432) of human LIMPII/SR-B2 (Accession #NP_005497.1) fused with an Fc, 6×His tag at the C-terminus.
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Species	Human
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Source	HEK293
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ProteinLength	Arg27-Thr432
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Description	The protein encoded by this gene is a type III glycoprotein that is located primarily in limiting membranes of lysosomes and endosomes. Earlier studies in mice and rat suggested that this protein may participate in membrane transportation and the reorganization of endosomal/lysosomal compartment. The protein deficiency in mice was reported to impair cell membrane transport processes and cause pelvic junction obstruction, deafness, and peripheral neuropathy. Further studies in human showed that this protein is a ubiquitously expressed protein and that it is involved in the pathogenesis of HFMD (hand, foot, and mouth disease) caused by enterovirus-71 and possibly by coxsackievirus A16. Mutations in this gene caused an autosomal recessive progressive myoclonic epilepsy-4 (EPM4), also known as action myoclonus-renal failure syndrome (AMRF). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
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Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5 % mannitol.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90% as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	SCARB2 scavenger receptor class B, member 2 [Homo sapiens]
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; LIMP2; 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

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mRNA Refseq	NM_001204255
Protein Refseq	NP_001191184
MIM	602257
UniProt ID	Q14108

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