

LIMPII/SR-B2 Active Protein | SCARB2 active protein

Recombinant Human LIMPII/SR-B2 Protein

CATALOG #
AAA281423

HOST
HEK293 Cells

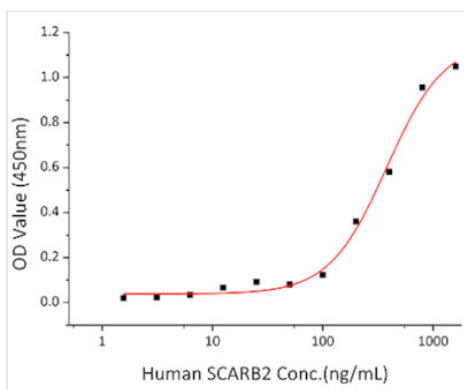
PRODUCT SYNONYMS

LIMPII/SR-B2; Recombinant Human LIMPII/SR-B2 Protein; AMRF; CD36L2; EPM4; HLGP85; LGP85; LIMP-2; LIMPII; SR-BII; SCARB2 active protein

PRODUCT SPECIFICATIONS

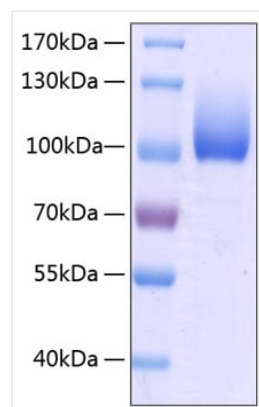
Host	HEK293 Cells
Purity/Purification	>97% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Sequence Length	478
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized human LDL at 5 ug/mL (100 uL/well) can bind Recombinant Human SCARB2 Fc Chimera with a linear range of 1.6-379 ng/mL.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Tag	C-hFc, His
Preparation and Storage	Store the lyophilized protein at -20 degree C to -80 degree C for long term. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



ELISA

Immobilized recombinant Human LDLR/LDL Receptor at 4?g/mL (100 ?L/well) can bind Human SCARB2 with a linear range of 1.6-379 ng/mL



SDS-PAGE

Recombinant Human LIMPII/SR-B2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 90-110 kDa.

ADDITIONAL INFORMATION

Related Product Information for SCARB2 active protein	Description: Recombinant Human LIMP2/SR-B2 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Arg27-Thr432) of human LIMP2/SR-B2 (Accession #NP_005497.1) fused with an Fc, 6xHis tag at the C-terminus. Background: 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.
Product Categories/Family for SCARB2 active protein	CD Antigen

NCBI AND UNIPROT INFORMATION

NCBI GI #	2498525
NCBI GeneID	950
UniProt Accession #	Q14108
NCBI Official Full Name	Lysosome membrane protein 2
NCBI Official Synonym Full Names	scavenger receptor class B member 2
NCBI Official Symbol	SCARB2
NCBI Official Synonym Symbols	AMRF; EPM4; LGP85; CD36L2; HLGP85; LIMP-2; LIMP2; SR-BII
NCBI Protein Information	lysosome membrane protein 2
UniProt Protein Name	Lysosome membrane protein 2
UniProt Gene Name	SCARB2
UniProt Synonym Gene Names	CD36L2; LIMP2; LIMP2; LGP85; LIMP II
UniProt Entry Name	SCR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.