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## Recombinant

## Background

Species	Gene ID	Swiss Prot
Human	950	O14108

## C-hFc&amp;His

AMRF; CD36L2; EPM4; HLGP85; LGP85;  
LIMP-2; LIMPII; SR-  
BII; SCARB2; CD36L2; EPM4; HLGP85; LGP85  
; LIMP-2; LIMPII; SR-BII

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.

## Basic Information

<b>Source</b>	<b>Purification</b>
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

## 73.33 kDa                      90-110 kDa

< 0.1 EU/μg of the protein by LAL method.

Lyophilized from a 0.22  $\mu$ m filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Recombinant Human LIMP II/SCARB2/CD36L2 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Arg27-Thr432) of human LIMP II/SR-B2 (Accession #NP\_005497.1) fused with an Fc, 6xHis tag at the C-terminus.

Measured by its binding ability in a functional ELISA. Immobilized Human LDLR/LDL Receptor at 4 µg/mL (100 µL/well) can bind Human SCARB2 with a linear range of 0.016-3.79 µg/mL.

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

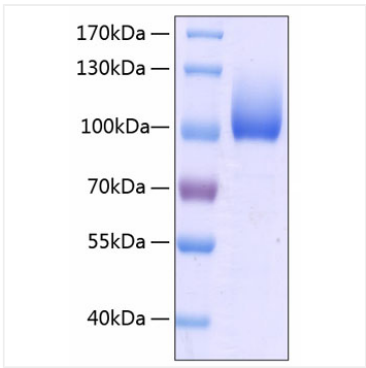
Avoid repeated freeze/thaw cycles.

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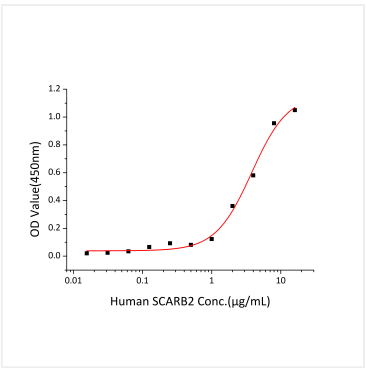
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Validation Data



Recombinant Human LIMP II/SCARB2/CD36L2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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