

# Recombinant Human LIMP-2/LIMP II Protein (His & Fc Tag)



Catalog Number:PKSH031285

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

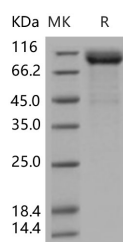
## Description

<b>Synonyms</b>	Lysosome Membrane Protein 2;85 kDa Lysosomal Membrane Sialoglycoprotein;LGP85;CD36 Antigen-Like 2;Lysosome Membrane Protein II;LIMP II;Scavenger Receptor Class B Member 2;CD36;SCARB2;CD36L2;LIMPI I;AMRF;CD36L2;EPM4;HLGP85;LGP85;SR-BII
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Arg 27-Thr 432
<b>Accession</b>	NP_005497.1
<b>Calculated Molecular Weight</b>	74.4 kDa
<b>Observed molecular weight</b>	110-115 kDa
<b>Tag</b>	C-His-Fc
<b>Bioactivity</b>	Measured by its ability to bind recombinant human RSPO1 in a functional ELISA.

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 90 % as determined by reducing SDS-PAGE.

## Background

Lysosomal Integral Membrane Protein II (LIMP II), also known as SCARB2, LPG85, and CD36L2, is a type III multi-pass membrane glycoprotein that is located primarily in limiting membranes of lysosomes and endosomes on all tissues and cell types so far examined. This protein may participate in membrane transportation and the reorganization of endosomal/lysosomal compartment. LIMP II is identified as a receptor for EV71 (human enterovirus species A,

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Enterovirus 71) and CVA16 (coxsackievirus A16) which are most frequently associated with hand, foot and mouth disease (HFMD). Expression of human LIMP2 enables normally unsusceptible cell lines to support the viruses' propagation and develop cytopathic effects. In addition, LIMP2 also has been shown to bind thrombospondin-1, may contribute to the pro-adhesive changes of activated platelets during coagulation, and inflammation. Deficiency of the protein in mice impairs cell membrane transport processes and causes pelvic junction obstruction, deafness, and peripheral neuropathy.

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