

## LIMP II/SR-B2 Protein, Mouse (432a.a, HEK293, His)

Cat. No.:	HY-P74775
Synonyms:	Lysosome membrane protein 2; LGP85; LIMP II; Scarb2
Species:	Mouse
Source:	HEK293
Accession:	O35114 (M1-T432)
Gene ID:	12492
Molecular Weight:	60-90 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of 50 mM Tris-Citrate, 0.3 M NaCl, pH 6.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	LIMP II/SR-B2 Protein functions as a lysosomal receptor that plays a crucial role in the targeting of glucosylceramidase (GBA1) to the lysosomes. This interaction underscores its involvement in the intracellular trafficking and localization of GBA1 within the lysosomal compartment. The protein directly interacts with GBA1, facilitating the specific recognition and delivery of this enzyme to the lysosomal environment, thereby contributing to essential cellular processes associated with lipid metabolism and degradation.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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