

LIMP II/SR-B2 Protein, Mouse (406a.a, HEK293, His)

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| Cat. No.: | HY-P72515 |
| Synonyms: | Lysosome membrane protein 2; LGP85; LIMP II; Scarb2 |
| Species: | Mouse |
| Source: | HEK293 |
| Accession: | O35114 (R27-T432) |
| Gene ID: | 12492 |
| Molecular Weight: | 65-90 kDa |

PROPERTIES

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| AA Sequence | <pre> RVFQKAVDQT IEKNMVLQNG TKVFNSWEKP PLPVYIQFYF FNVTNPEEIL QGEIPLLEE V GPYTYRELRN KANIQFGENG TTISAVTNKA YVFERNQSVG DPNVDLIRTI NIPLLTVVDL AQLTLLRELI EAMLKAYQQK LFVIHTVHEL LWGYKDEILS LVHIFKPDVS PNFGLFYERN GTNDGEYVFL TGEDNYLNFS KIVEWNGKTS LDWWTTDTCN MINGTDGDSF HPLISKDEVL YLFPSDL CRS VHI T F S S F E N V E G L P A F R Y K V P A E I L A N T S E N A G F C I P E G N C M D S G V L N I S I C K N G A P I I M S F P H F Y Q A D E K F V S A I K G M H P N K E E H E S F V D I N P L T G I I L R G A K R F Q I N T Y V R K L D D F V E T G D I R T M V F P V M Y L N E S V L I D K E T A N Q L K S V I N T T </pre> |
| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-Citrate, 0.3M NaCl, pH 6.5. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose). |
| 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

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| Background | LIMP II/SR-B2 Protein functions as a lysosomal receptor that plays a crucial role in the targeting of glucosylceramidase |
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(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.

Caution: Product has not been fully validated for medical applications. For research use only.

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