

LMAN2L Protein, Human (295a.a, HEK293, His)

Cat. No.:	HY-P70914
Synonyms:	VIP36-like protein; Lectin mannose-binding 2-like; LMAN2-like protein; VIPL
Species:	Human
Source:	HEK293
Accession:	Q9H0V9 (S19-A313)
Gene ID:	81562
Molecular Weight:	30-40 kDa

PROPERTIES

AA Sequence	<p>S A R D G S R M L L L L L L L G S G Q G P Q Q V G A G Q T F E Y L K R E H S L S</p> <p>K P Y Q G V G T G S S S L W N L M G N A M V M T Q Y I R L T P D M Q S K Q G A L</p> <p>W N R V P C F L R D W E L Q V H F K I H G Q G K K N L H G D G L A I W Y T K D R</p> <p>M Q P G P V F G N M D K F V G L G V F V D T Y P N E E K Q Q E R V F P Y I S A M</p> <p>V N N G S L S Y D H E R D G R P T E L G G C T A I V R N L H Y D T F L V I R Y V</p> <p>K R H L T I M M D I D G K H E W R D C I E V P G V R L P R G Y Y F G T S S I T G</p> <p>D L S D N H D V I S L K L F E L T V E R T P E E E K L H R D V F L P S V D N M K</p> <p>L P E M T A P L P P L S G L A</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
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

Background	The LMAN2L protein appears to play a crucial role in cellular processes, potentially participating in the regulation of export from the endoplasmic reticulum (ER) for a specific subset of glycoproteins. Its involvement in the intricate process of glycoprotein export suggests a regulatory function within the ER. Furthermore, LMAN2L may act as a regulator of ERGIC-53, implicating its role in the control of protein trafficking between the ER and the ER-Golgi intermediate compartment (ERGIC).
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These dual functionalities underscore the significance of LMAN2L in cellular mechanisms, particularly in the orchestration of glycoprotein export and the regulation of ERGIC-53, highlighting its potential impact on intracellular protein transport and cellular homeostasis.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA