

LMAN2 Protein, Human (HEK293, His)

Cat. No.:	HY-P71151
Synonyms:	Vesicular Integral-Membrane Protein VIP36; Glycoprotein GP36b; Lectin Mannose-Binding 2; Vesicular Integral-Membrane Protein 36; VIP36; LMAN2; C5orf8
Species:	Human
Source:	HEK293
Accession:	Q12907 (D45-R322)
Gene ID:	10960
Molecular Weight:	Approximately 34.8 kDa

PROPERTIES

AA Sequence	<pre> D I T D G N S E H L K R E H S L I K P Y Q G V G S S S M P L W D F Q G S T M L T S Q Y V R L T P D E R S K E G S I W N H Q P C F L K D W E M H V H F K V H G T G K K N L H G D G I A L W Y T R D R L V P G P V F G S K D N F H G L A I F L D T Y P N D E T T E R V F P Y I S V M V N N G S L S Y D H S K D G R W T E L A G C T A D F R N R D H D T F L A V R Y S R G R L T V M T D L E D K N E W K N C I D I T G V R L P T G Y Y F G A S A G T G D L S D N H D I I S M K L F Q L M V E H T P D E E S I D W T K I E P S V N F L K S P K D N V D D P T G N F R S G P L T G W R </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCl, 10 mM GSH, pH 8.0.
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	LMAN2 functions as an intracellular lectin, exerting its influence within the early secretory pathway. This protein demonstrates interaction capabilities with N-acetyl-D-galactosamine and exhibits an affinity for high-mannose type glycans, potentially extending its binding repertoire to O-linked glycans. LMAN2 plays a crucial role in the transport and sorting mechanisms associated with glycoproteins that bear high mannose-type glycans, thereby contributing to the intricate orchestration of cellular processes within the secretory pathway.
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Caution: Product has not been fully validated for medical applications. For research use only.

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