

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 | 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 |
| 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. |
|------------|---|

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