

[Go to Product page](#)

Datasheet for ABIN4370706

LMAN2 Protein (AA 45-322) (His tag)

Overview

Quantity:	50 µg
Target:	LMAN2
Protein Characteristics:	AA 45-322
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LMAN2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human VIP36/LMAN2/GP36b (C-6His)
Sequence:	DITDGNSEHL KREHSLIKPY QGVGSSSMPL WDFQGSTMLT SQYVRLTPDE RSKEGSIWNH QPCFLKDWEM HVHFKVHGTG KKNLHGDGIA LWYTRDRLVP GPVFGSKDNF HGLAIFLDTY PNDETERVF PYISVMVNNG SLSYDHSKDG RWTELAGCTA DFRNRDHDTF LAVRYSRGRL TVMTDLEDKN EWKNCIDITG VRLPTGYFYG ASAGTGDLSN NHDIIISMKLF QLMVEHTPDE ESIDWTKIEP SVNFLKSPKD NVDDPTGNFR SGPLTGWRVD HHHHHH
Characteristics:	Recombinant Human Vesicular Integral-Membrane Protein VIP36/LMAN2 is produced by our mammalian expression system. The target protein is expressed with sequence (Asp45-Arg322) of Human LMAN2 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	LMAN2
Alternative Name:	LMAN2 (LMAN2 Products)
Sub Type:	Fusionprotein
Background:	<p>Vesicular integral-membrane protein VIP36 is also known as Glycoprotein GP36b, Lectin mannose-binding 2, Vesicular integral-membrane protein 36, LMAN2 and C5orf8. LMAN2 is widely expressed and contains one L-type lectin-like domain. LMAN2 binds high mannose type glycoproteins and may facilitate their sorting, trafficking and quality control. LMAN2 plays a role as an intracellular lectin in the early secretory pathway. LMAN2 interacts with N-acetyl-D-galactosamine and high-mannose type glycans and may also bind to O-linked glycans. LMAN2 is also involved in the transport and sorting of glycoproteins carrying high mannose-type glycans.</p> <p>Alternative Names: Vesicular Integral-Membrane Protein VIP36, Glycoprotein GP36b, Lectin Mannose-Binding 2, Vesicular Integral-Membrane Protein 36, VIP36, LMAN2, C5orf8</p>
Molecular Weight:	32.7 kDa
UniProt:	Q12907
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 50 mM TrisHCl, 10 mM GSH, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>

Handling

Expiry Date: 3 months