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Datasheet for ABIN7317374 LMAN2 Protein (His tag)

Overview

Quantity:	100 µg
Target:	LMAN2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LMAN2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human LMAN2/VIP36 Protein (E.coli, His Tag)
Sequence:	As p45-Arg 322
Characteristics:	A DNA sequence encoding the human LMAN2 extracellular domain (Q12907) (As p45-Arg 322) was fused with a polyhistidine tag at the C-terminus and an initial Met at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	LMAN2
Alternative Name:	LMAN2/VIP36 (LMAN2 Products)
Background:	Background: The L-type lectin LMAN2 (also known as VIP36) appears to be specifically required for the accumulation of GPRC5B in the Golgi complex and restriction of GPRC5B transport along the exosomal pathway. This may occur due to interference with the adaptor protein GGA1-mediated trans Golgi network-to-endosome transport of GPRC5B. A Golgi-traversing

Target Details

pathway for exosomal release of the cargo protein GPRC5B in which CD2AP facilitates the entry and LMAN2 impedes the exit of the flux, respectively.

Synonym: Vesicular Integral-Membrane Protein VIP36, Glycoprotein GP36b, Lectin Mannose-Binding 2, Vesicular Integral-Membrane Protein 36, VIP36, LMAN2, C5orf8

Molecular Weight: 33.2 kDa

UniProt: [Q12907](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 50 mM Tris, pH 8.5

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.