



Recombinant Protein Technical Manual

Recombinant Human LMAN2/VIP36 Protein (E. coli,
His Tag)
RPES2719

Product Data:

Product SKU: RPES2719

Size: 20µg

Species: Human

Expression host: E. coli

Uniprot: Q12907

Protein Information:

Molecular Mass: 33.2 kDa

AP Molecular Mass: 30 kDa

Tag: C-His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 50mM Tris, pH 8.5

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

Application:

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

Immunogen Information:

Sequence: As p45-Arg 322

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