



# Recombinant Protein Technical Manual

## Recombinant Human LMAN2/VIP36 Protein (Human Cells, His Tag)

RPES2069

### Product Data:

**Product SKU:** RPES2069

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q12907

### Protein Information:

**Molecular Mass:** 32.7 kDa

**AP Molecular Mass:** 33 kDa

**Tag:** C-6His

**Bio-activity:**

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

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**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 a 0.2 µm filtered solution of 50mM TrisHCl, 10mM GSH, pH8.0.

**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:** Asp45-Arg322

## Background:

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.