

Recombinant Human VIP36

Catalog No: C845

Description	Recombinant Human Vesicular Integral-Membrane Protein VIP36 is produced by our Mammalian expression system and the target gene encoding Asp45-Arg322 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Vesicular Integral-Membrane Protein VIP36; Glycoprotein GP36b; Lectin Mannose-Binding 2; Vesicular Integral-Membrane Protein 36; VIP36; LMAN2; C5orf8
Accession No.	Q12907
Formulation	Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 10% Glycerol, pH 8.0. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Amino Acid Sequence	DITDGNSEHLKREHSLIKPYQGVGSSSMPLWDFQGSTMLTSQYVRLTPDERSKEGSIWNHQPCKLDWEM HVHFKVHGTGKKNLHGDGIALWYTRDRLVPGPVFGSKDNFHLAIFLDTPNDETERVFPYISVMVNNGS LSYDHSKDGRWTELAGCTADFRNRDHTFLAVRYSRGRLTVMTDLEDKNEWKNCIDITGVRLPTGYFFGA SAGTGDLSDNHDIIISMKLFQLMVEHTPDEESIDWTKI EPSVNFLKSPKDNVDDPTGNFRSGPLTGWRVDHHHHHH
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.

