

Biotinylated Human CXCR3 Full Length Protein (VLP)

Catalog # CX3-H82P3



BIOSYSTEMS
Acro

Application

- Immunization
- FACS
- Elisa

Synonym

CD182, CD183, CKR-L2, CMKAR3, GPR9, IP10-R, Mig-R, MigR

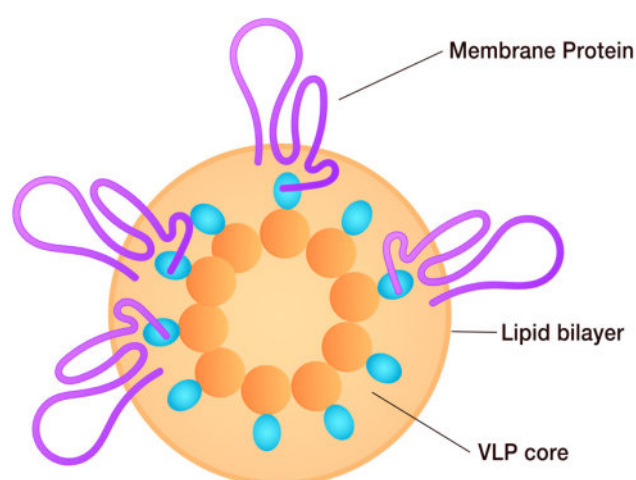
Source

Biotinylated Human CXCR3 Full Length Protein (VLP) (CX3-H82P3) is expressed from human 293 cells (HEK293). It contains AA Val 2 - Leu 368 (Accession # [P49682-1](#)).

Predicted N-terminus: Asp

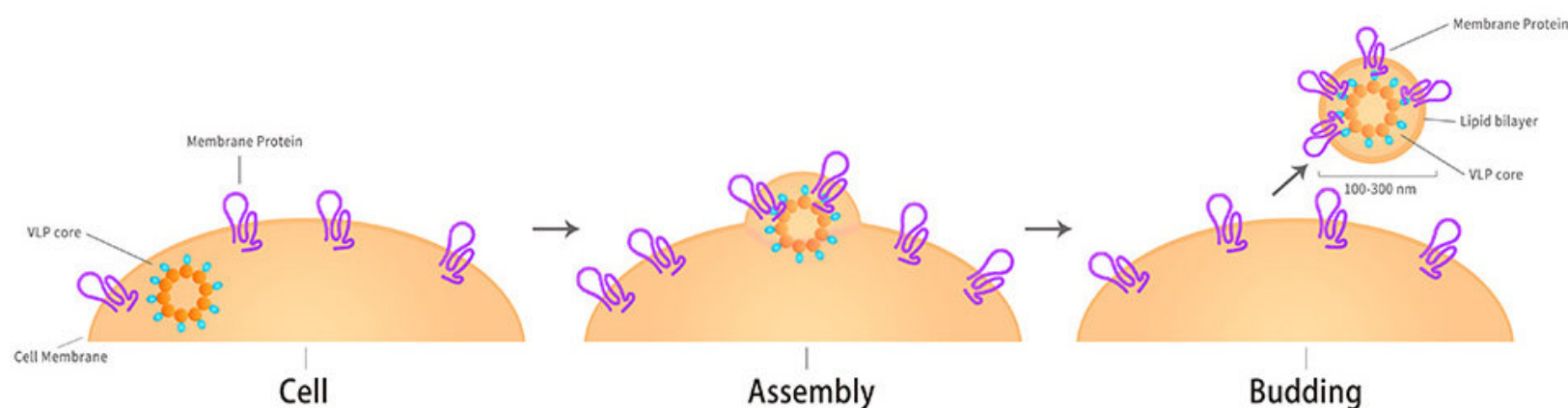
Molecular Characterization

- Structure



Virus-like particles (VLPs) are protein particles that mimic the shape of viruses but lack a viral genome, and incorporating transmembrane proteins on the external surface.

- Synthesis Process



Virus-like particles (VLPs) are non-infectious structures that mimic the shape of viruses but lack a viral genome. During VLP production in cell systems, VLPs self-assemble into 100-200 nm protein particles, and incorporate transmembrane proteins into a VLP-MP complex, resulting in presentation of the protein on the external surface of the VLP. Their repetitive, multivalent surface display and **strong immunogenicity**, making them an excellent candidate for immunization.

Labeling

The VLP is biotinylated with propriety technology.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Formulation

The VLPs are highly immunogenic, so the immunization strategy should be optimized (antigen dose, regimen and adjuvant).

Supplied as 0.2 μ m filtered solution in PBS, Arginine, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

Storage

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

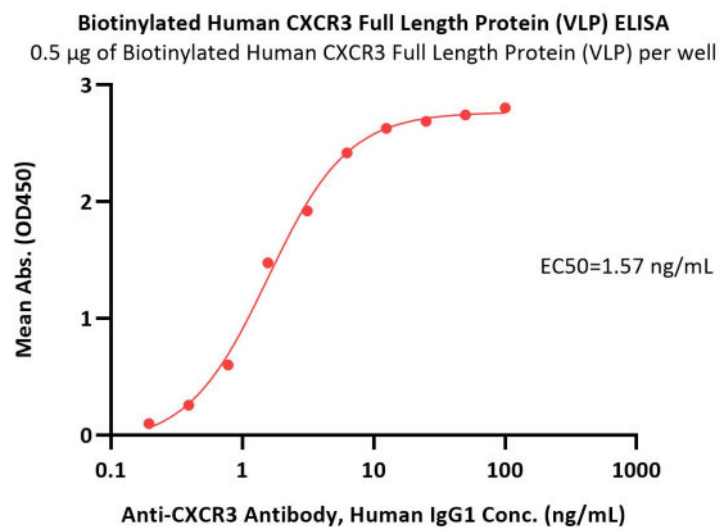
- The product **MUST** be stored at -70°C or lower upon receipt;
- -70°C for 12 months under sterile conditions.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

*The isotype control of empty/mock VLP (Cat. No. [VLP-N82P3](#)) is sold separately and not included in protein, you can follow [the link](#) for product information.

Bioactivity-ELISA



Immobilized Biotinylated Human CXCR3 Full Length Protein (VLP) (Cat. No. CX3-H82P3) at 5 µg/mL (100 µL/well) on streptavidin (Cat. No. STN-N5116) precoated (0.5 µg/well) plate can bind Anti-CXCR3 Antibody, Human IgG1 with a linear range of 0.2-6 ng/mL (QC tested).

Background

A chemokine receptor primarily expressed on activated T lymphocytes, NK cells, and some epithelial cells. It governs immune cell trafficking to sites of inflammation. In oncology, CXCR3 plays a dual role in promoting anti-tumor immunity while also facilitating metastasis in certain contexts.

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