

Mouse CCR8 Full Length Protein (VLP)

Catalog # CC8-M52P3



BIOSYSTEMS
Acro

Surprise Inside!

Application

- Immunization
- Cell based assay (FACS or functional assay)
- Screening (ELISA)

Synonym

CC chemokine receptor 8, CDw198, ChemR1, CKRL1, CKR-L1, CKRL1, CY6, GPRCL1, GPRCY6, GPR-CY6, TER-1

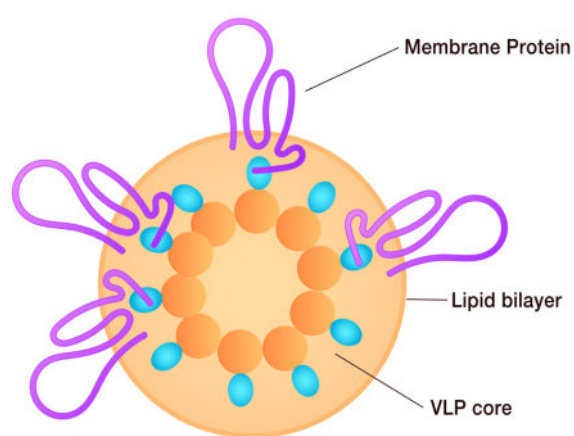
Source

Mouse CCR8 Full Length Protein (VLP) (CC8-M52P3) is expressed from human 293 cells (HEK293). It contains AA Asp 2 - Ser 316 (Accession # [P56484](#) (C61Y, F120W, L166N, A234E, S287A, K304E)).

Predicted N-terminus: Asp

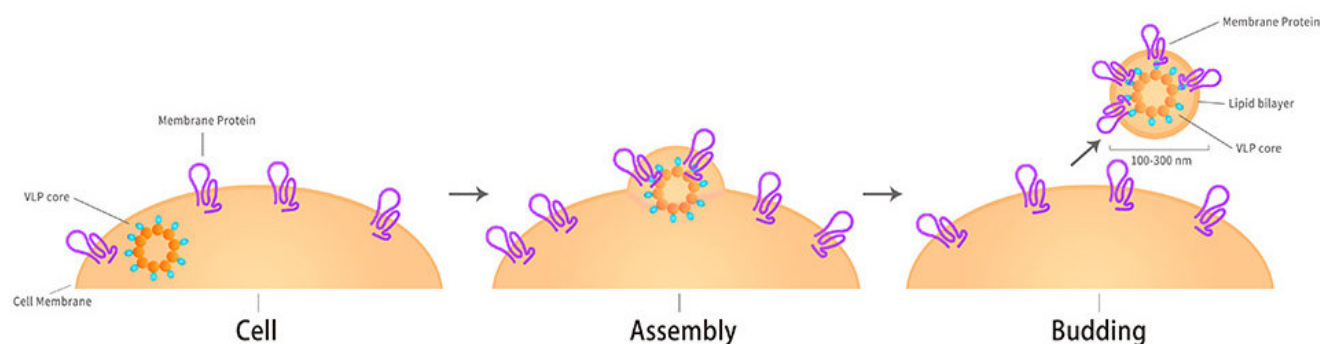
Molecular Characterization

- 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



Envelope virus-like particles (eVLPs) are produced by **co-expressing target membrane proteins with viral structural proteins in mammalian cells**, enabling native embedding of membrane proteins into the lipid bilayer during VLP budding. This approach preserves authentic conformation, post-translational modifications, and orientation, while creating a completely detergent-free environment with repetitive multivalent display and **strong immunogenicity** making them ideal for immunization, binding assays in antibody discovery and screening (ELISA), and cell-based assays such as FACS, etc.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Formulation

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

Supplied as 0.2 µm 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:

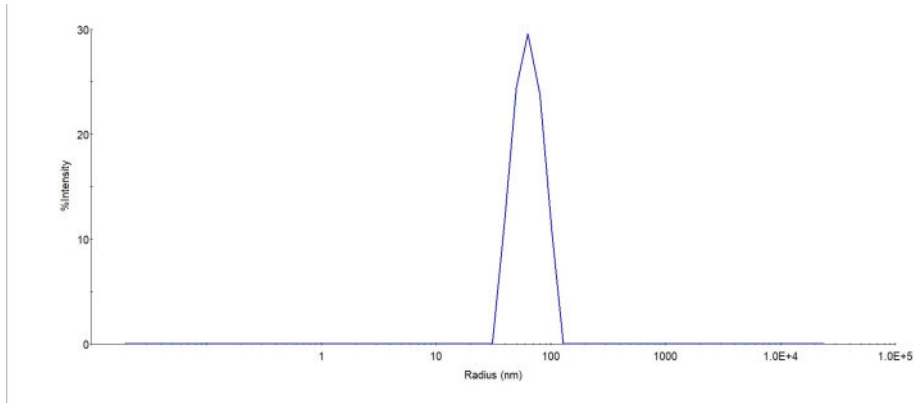
- The product **MUST** be stored at -70°C or lower upon receipt;
- -70°C for 12 months under sterile conditions.

ACRO Quality Management System

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

*The isotype control of empty/mock VLP (Cat. No. [VLP-N5213](#)) is sold separately and not included in protein, you can follow [the link](#) for product information.

Identity-DLS



The mean peak Radius of VLP is 60-80 nm with more than 95% intensity as determined by dynamic light scattering (DLS).

Background

A chemokine receptor predominantly marking tumor-infiltrating regulatory T cells (Tregs) rather than peripheral Tregs. Targeting CCR8 enables selective depletion of immunosuppressive cells within the tumor microenvironment, thereby reinvigorating anti-tumor immunity without triggering systemic autoimmunity.

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