

Human CXCR3 Protein, Flag,His Tag (Detergent)

Catalog # CX3-H52D5



BIOSYSTEMS
Acro

Application

- Elisa
- SPR/BLI
- Immunization

Synonym

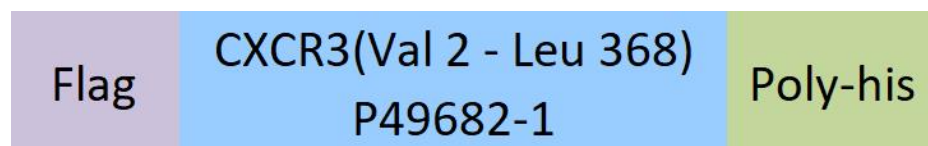
CD182, CD183, CKR-L2, CMKAR3, GPR9, IP10-R, Mig-R, MigR

Source

Human CXCR3 Protein, Flag,His Tag (CX3-H52D5) is expressed from human 293 cells (HEK293). It contains AA Val 2 - Leu 368 (Accession # [P49682-1](#)).

Predicted N-terminus: Asp

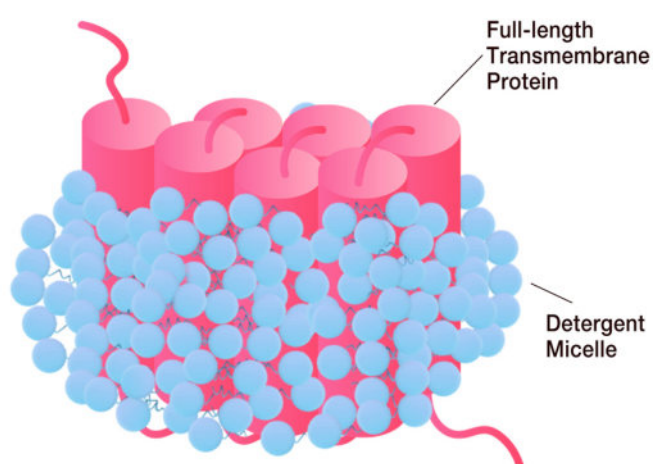
Molecular Characterization



This protein carries a flag tag at the N-terminus and a polyhistidine tag at the C-terminus.

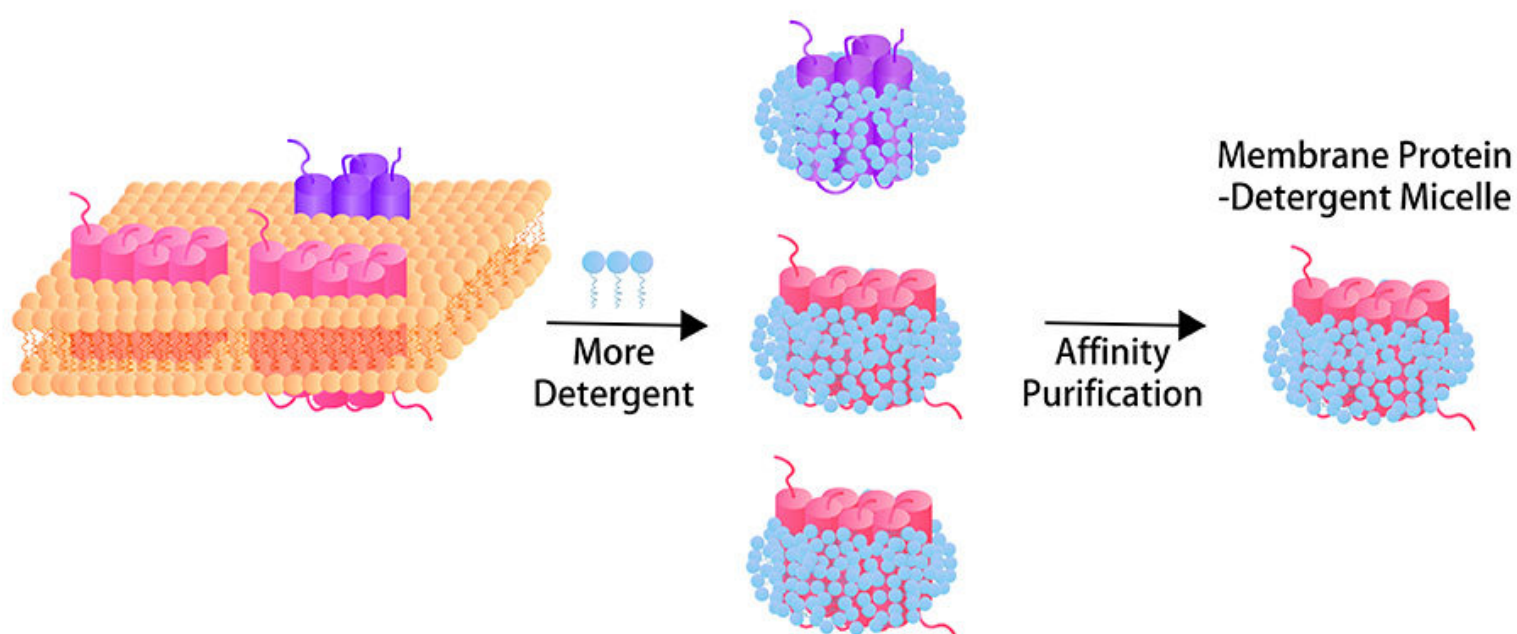
The protein has a calculated MW of 43.5 kDa.

• Structure



Each full-length transmembrane protein is wrapped by detergent micelle.

• Synthesis Process



Detergent micelle extraction, combined with subsequent detergent treatment and affinity purification, preserves the native fold of the full-length membrane protein in vitro, ensuring **high purity** and enabling **accurate quantification**.

Endotoxin

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

Formulation

This product is not suitable for cell based experiments due to cytotoxicity of DDM.

DDM and CHS are INDISPENSABLE to keep membrane protein soluble and active, under no circumstances should you remove DDM and

CHS.

DDM/CHS buffer (DC-11) is sold separately and not included in protein, and please contact us if you need the buffer.

If glycerol is not compatible with your application, remove glycerol just before the immediate experiment, and NEVER store glycerol-free protein solution.

Supplied as 0.2 µm filtered solution in 50 mM HEPES, 150 mM NaCl, DDM, CHS, pH7.5 with glycerol 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:

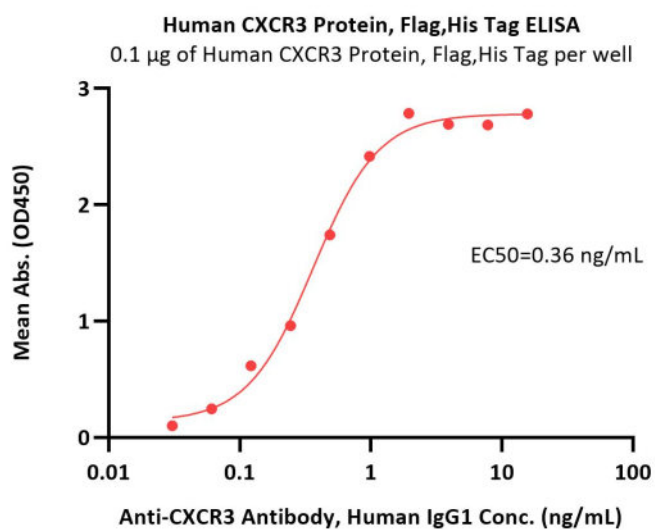
- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 12 months under sterile conditions.

ACRO Quality Management System

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

*The DDM/CHS buffer (Cat. No. [DC-11](#)) is sold separately and not included in protein, you can follow [the link](#) for product information.

Bioactivity-ELISA



Immobilized Human CXCR3 Protein, Flag,His Tag (Cat. No. CX3-H52D5) at 1 µg/mL (100 µL/well) can bind Anti-CXCR3 Antibody, Human IgG1 with a linear range of 0.03-1 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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4/29/2026