

Human CXCR5 Protein, Flag,His Tag (Detergent)

Catalog # CX5-H52D6



BIOSYSTEMS
Acro

Application

- Elisa
- SPR/BLI
- Immunization

Synonym

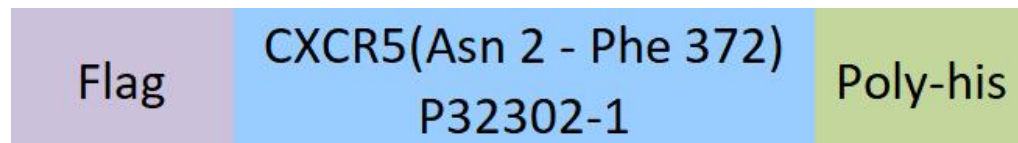
BLR1, CD185, MDR15

Source

Human CXCR5 Protein, Flag,His Tag (CX5-H52D6) is expressed from human 293 cells (HEK293). It contains AA Asn 2 - Phe 372 (Accession # [P32302-1](#)).

Predicted N-terminus: Asp

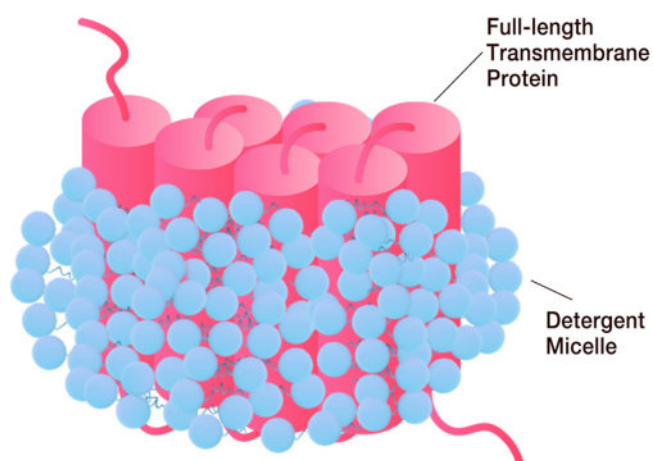
Molecular Characterization



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

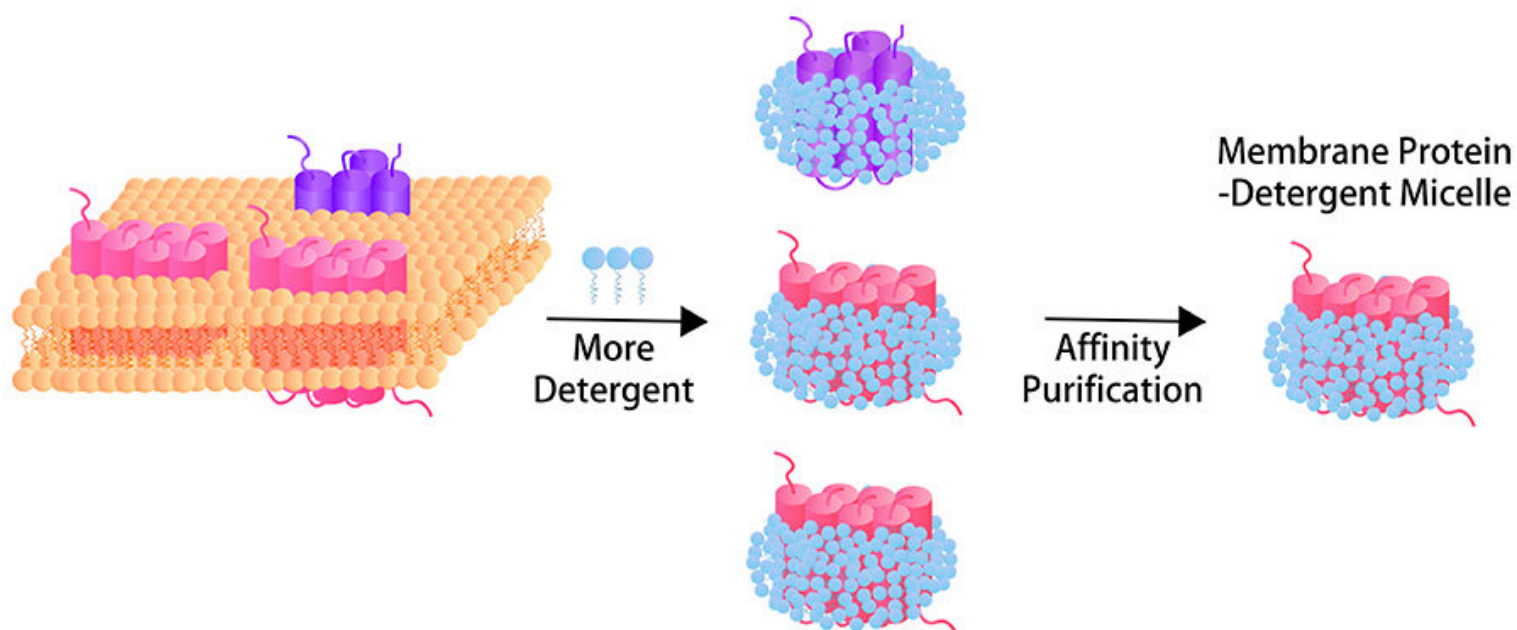
The protein has a calculated MW of 44.9 kDa.

• 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:

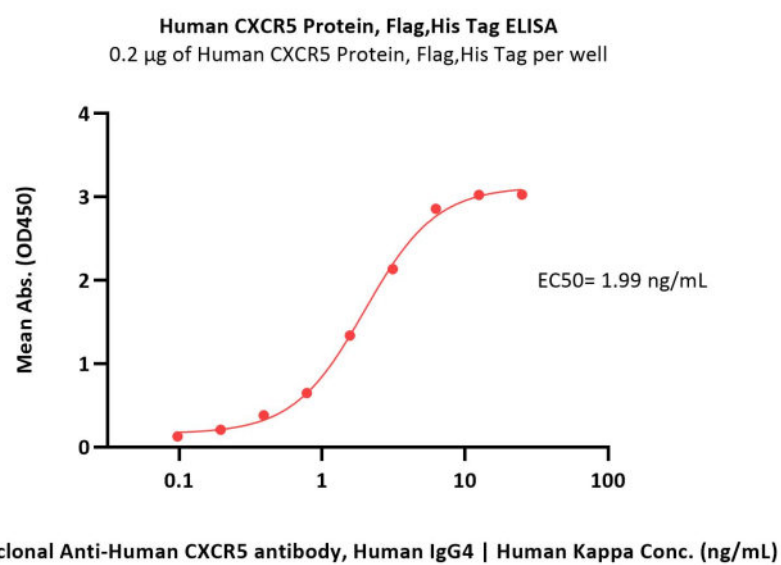
- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

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 CXCR5 Protein, Flag,His Tag at 2 µg/mL (100 µL/well) can bind Monoclonal Anti-Human CXCR5 antibody, Human IgG4 | Human Kappa with a linear range of 0.1-3.125 ng/mL (QC tested).

Background

The receptor for chemokine CXCL13, guiding B cells and T follicular helper cells into lymphoid follicles. It is a defining marker of certain lymphomas. In autoimmunity, the CXCL13-CXCR5 axis drives germinal center formation and autoantibody production, making it a target for diseases like lupus and rheumatoid arthritis.

Discounts, Gifts,
and more!



www.acrobiosystems.com

