

Human CCR8 Full Length Protein, Flag,His Tag (Nanodisc-pro)

Catalog # CC8-H52D3



BIOSYSTEMS
Acro

Application

- Cell based assay (FACS or functional assay)
- Affinity testing (SPR / BLI)
- Screening ([ELISA](#))

Synonyms

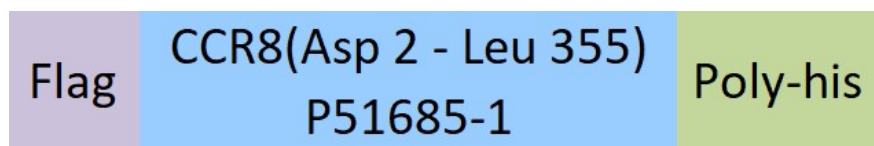
CC chemokine receptor 8, CDw198, ChemR1, CKRL1, CKR-L1, CKRL1, CY6, GPRCL1, GPRCY6, GPR-CY6, TER-1

Source

Nanodisc-pro Human CCR8 Full Length Protein, Flag,His Tag (CC8-H52D3) is expressed from human 293 cells (HEK293). It contains AA Asp 2 - Leu 355 (Accession # [P51685-1](#)).

Predicted N-terminus: Asp

Molecular Characterization



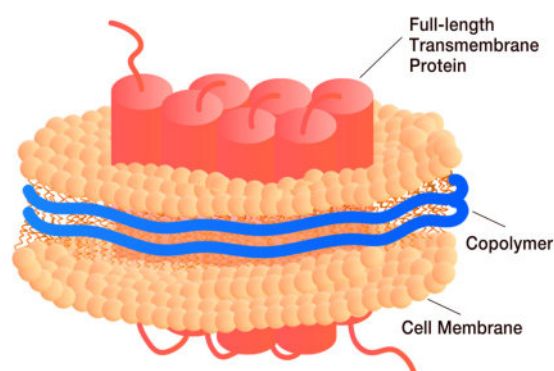
This protein carries a flag tag at the N-terminus and a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 57.1 kDa.

Within the expressed region, several mutations were introduced to optimize the protein expression and stability.

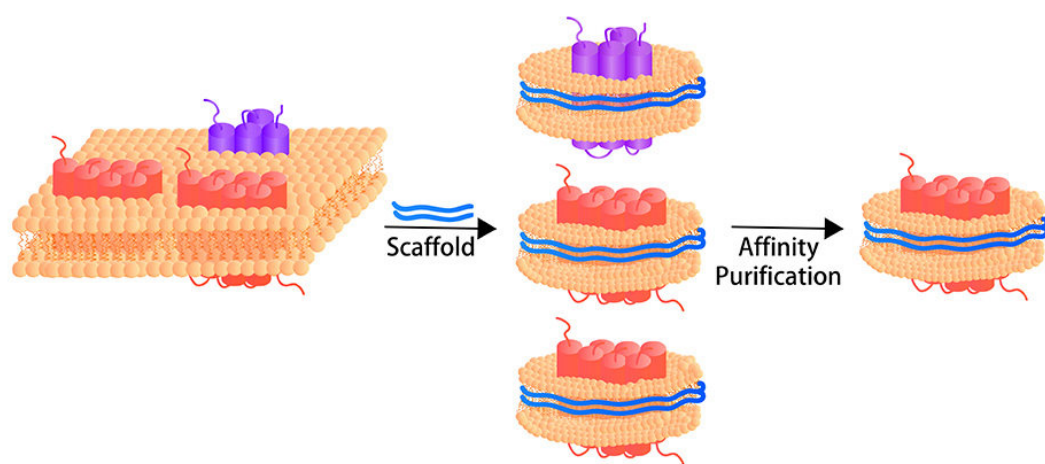
*The isotype control of empty/mock nanodisc (Cat. No. [APO-H51H3](#)) is sold separately and not included in protein, you can follow [the link](#) for product information.

• Structure



Nanodisc-pro membrane protein is wrapped by a piece of cell membrane and scaffold, the info of scaffold can be found in above red text "isotope type control...".

• Synthesis Process



Nanodisc-pro membrane protein extraction is a gentle, non-disruptive process that **directly isolates full-length transmembrane proteins together with their surrounding native phospholipids from cellular membranes**, without breaking or disturbing the original membrane structure. This preserves the membrane protein's natural conformational landscape and native lipid environment, yielding stable nanodisc that retain cellular phospholipids, with fully preserved biological activity—making them **ideal for cell-based assays such as FACS** and binding assays in antibody discovery and screening (ELISA), etc.

Formulation

Supplied as 0.2 μ m filtered solution in 50 mM HEPES, 150 mM NaCl, pH7.5 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping and Storage

This product is supplied and shipped on dry ice.

Please avoid repeated freeze-thaw cycles.

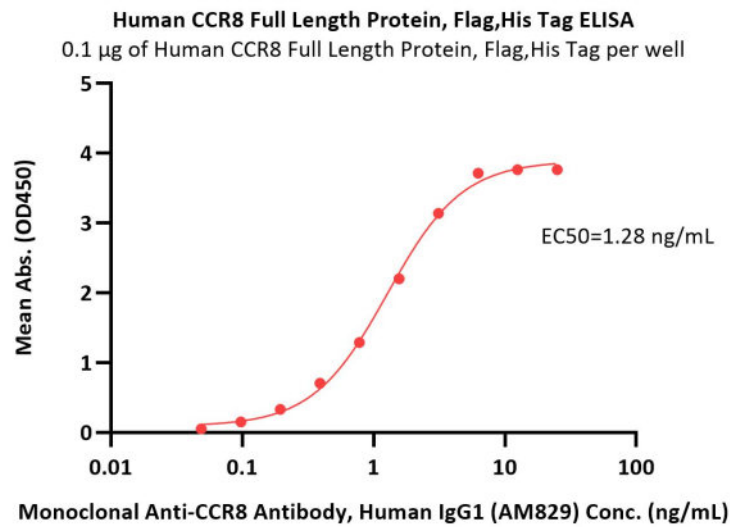
This product is stable after storage at:

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

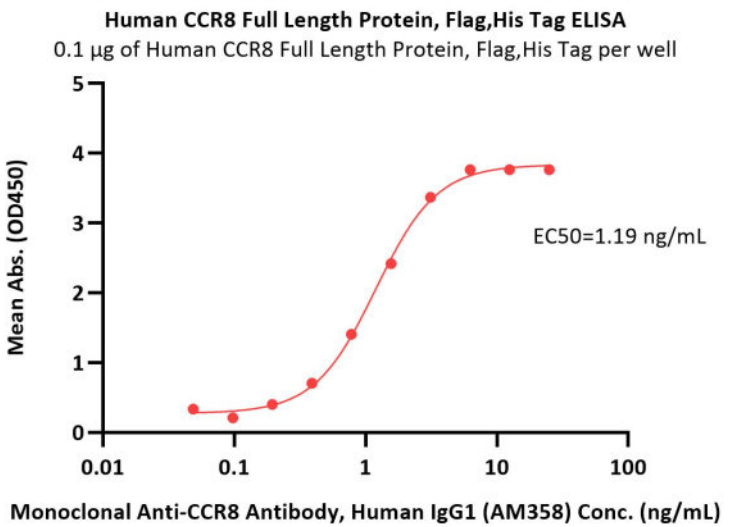
ACRO Quality Management System

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

Bioactivity-ELISA



Immobilized Human CCR8 Full Length Protein, Flag,His Tag (Cat. No. CC8-H52D3) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-CCR8 Antibody, Human IgG1 (AM829) with a linear range of 0.05-3 ng/mL (QC tested).



Immobilized Human CCR8 Full Length Protein, Flag,His Tag (Cat. No. CC8-H52D3) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-CCR8 Antibody, Human IgG1 (AM358) with a linear range of 0.05-3 ng/mL (Routinely tested).

Background

This entry represents CC chemokine receptor 8 (CCR8), which it is expressed predominantly in lymphoid tissues and has also been found in glomerular podocytes and human umbilical vein endothelial cells (HUVECs). CCR8 is associated with Th2 lymphocytes, which are critical for allergy, and has a role in lymphocyte activation, migration, proliferation and differentiation and in allergic diseases. CCR8 binds to CCL1 (also known as I-309) and to CCL16 (also known as liver expressed chemokine). It also exhibits a high affinity for three chemokines of viral origin: vMIP-I, vMIP-II and vMCC-I.



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