

Datasheet for ABIN7553052
CCR5 Protein (AA 1-352) (His tag)



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Overview

Quantity:	1 mg
Target:	CCR5
Protein Characteristics:	AA 1-352
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCR5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CCR5 Protein expressed in mammalien cells.
Sequence:	MDYQVSSPIY DINYYTSEPC QKINVKQIAA RLLPPLYSLV FIFGFVGNML VILILINCKR LKSMTDIYLL NLAISDLFFL LTVPFWAHYA AAQWDFGNTM CQLLTGLYFI GFFSGIFFII LLTIDRYLAV VHAVFALKAR TVTFGVVTSV ITWVAVFAS LPGIIFTRSQ KEGLHYTCSS HFPYSQYQFW KNFQTLKIVI LGLVLP LLVM VICYSGILKT LLRCRNEKKR HRAVRLIFTI MIVYFLFWAP YNIVLLLNTF QEFFGLNNCS SSNRDQAMQ VTETLGMTHC CINPIIYAFV GEKFRNYLLV FFQKHIKRF CKCCSIFQQE APERASSVYT RSTGEQEISV GL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: CCR5

Alternative Name: CCR5 ([CCR5 Products](#))

Background: C-C chemokine receptor type 5 (C-C CKR-5) (CC-CKR-5) (CCR-5) (CCR5) (CHEMR13) (HIV-1 fusion coreceptor) (CD antigen CD195),FUNCTION: Receptor for a number of inflammatory CC-chemokines including CCL3/MIP-1-alpha, CCL4/MIP-1-beta and RANTES and subsequently transduces a signal by increasing the intracellular calcium ion level. May play a role in the control of granulocytic lineage proliferation or differentiation. Participates in T-lymphocyte migration to the infection site by acting as a chemotactic receptor (PubMed:30713770). {ECO:0000269|PubMed:10383387, ECO:0000269|PubMed:11323418, ECO:0000269|PubMed:30713770, ECO:0000269|PubMed:8639485, ECO:0000269|PubMed:8663314, ECO:0000269|PubMed:8699119}., FUNCTION: (Microbial infection) Acts as a coreceptor (CD4 being the primary receptor) of human immunodeficiency virus-1/HIV-1. {ECO:0000269|PubMed:10383387, ECO:0000269|PubMed:21763489, ECO:0000269|PubMed:8649511, ECO:0000269|PubMed:8649512, ECO:0000269|PubMed:9632396}.

Molecular Weight: 40.5 kDa

Target Details

UniProt: [P51681](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [cAMP Metabolic Process](#), [Regulation of Cell Size](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months