

Recombinant Human CCR5 protein, Flag & His-tagged

Cat. No. CCR5-681H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CCR5, Flag,His Tag is expressed from human 293 cells (HEK293). It contains AA Asp 2 - Arg 223 & Glu 227 - Arg 319 (Accession # P51681-1(C58Y,G163N,A233D,K303E)).
Species	Human
Source	HEK293
ProteinLength	Asp 2 - Arg 223 & Glu 227 - Arg 319
Description	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. ⁵ Publications (Microbial infection) Acts as a coreceptor (CD4 being the primary receptor) of human immunodeficiency virus-1/HIV-1.
Predicted N Terminal	Asp
Form	Delivered as bulk protein in a 0.2 µm filtered solution of 50 mM HEPES, 150 mM NaCl, DDM, CHS, pH7.5 with Glycerol as protectant.
Molecular Mass	The protein has a calculated MW of 46.0 kDa. The protein migrates as 33-35 kDa and 40-45 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>85% as determined by SDS-PAGE.
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.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	This product is supplied as sterile liquid solution and shipped frozen with dry ice, please inquire the shipping cost.

GENE INFORMATION

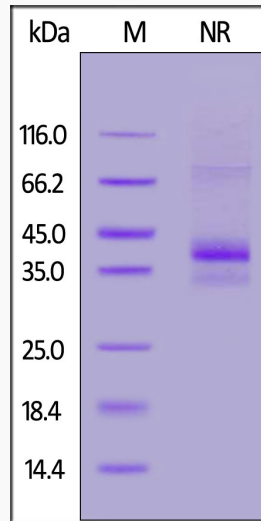
Gene Name	CCR5 C-C motif chemokine receptor 5 [Homo sapiens (human)]
Official Symbol	CCR5
Synonyms	CCR5; CMKBR5; CD195; CC-CKR-5; CHEMR13
Gene ID	1234
mRNA Refseq	NM_000579.4
Protein Refseq	NP_000570.1
MIM	601373
UniProt ID	P51681

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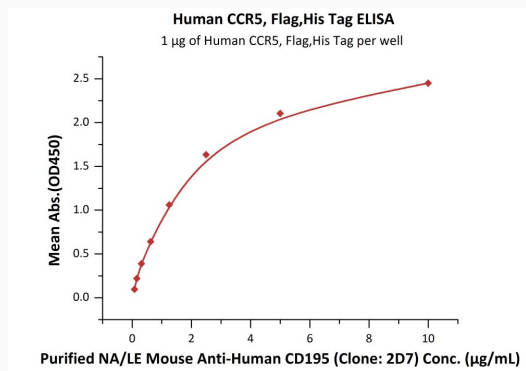
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SDS-PAGE of CCR5-681H



Bioactivity-ELISA of CCR5-681H



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