

Recombinant Human CXCR4 Protein, Fc-tagged

Cat. No. CXCR4-186H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CXCR4 protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	352
Description	This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Form	Lyophilized
Molecular Mass	32.8 kDa
AA Sequence	MEGISIYTS DNYTEEMGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVI LVMGYQKKLRSM TDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYT VNLYSSVLILAFISLD RYLAIVHATNSQRPRKLLAEKV VYVGWIPALLLTIPDFIFANVS EADDRYICDRFY PNDLWVVVFQFQHIMVGLILPGIVILSCYCIISKL SHSKGHQKRKAL KTTVILILAFFACWLPYYIGISIDSFILLEIKQGCEFENTVHKWISITEALAFFHCCLNPIL YAFLGAKFKTSAQHALTSVSRGSS LKILSKGKRGGHSSVSTESESSSFHSS

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Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	CXCR4 chemokine (C-X-C motif) receptor 4 [Homo sapiens (human)]
Official Symbol	CXCR4
Synonyms	CXCR4; chemokine (C-X-C motif) receptor 4; chemokine (C X C motif), receptor 4 (fusin); C-X-C chemokine receptor type 4; CD184; D2S201E; fusin; HM89; HSY3RR; LESTR; NPY3R; NPYR; NPY3R; CXC-R4; CXCR-4; CD184 antigen; SDF-1 receptor; neuropeptide Y receptor Y3; seven transmembrane helix receptor; stromal cell-derived factor 1 receptor; lipopolysaccharide-associated protein 3; seven-transmembrane-segment receptor, spleen; leukocyte-derived seven transmembrane

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domain receptor; leukocyte-derived seven-transmembrane-domain receptor; FB22;
LAP3; LCR1; WHIM; NPYRL;

Gene ID

7852

mRNA Refseq

NM_001008540

Protein Refseq

NP_001008540

MIM

162643

UniProt ID

P61073

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