

## Recombinant Human CXCR4 Protein, C-hFc tagged

Cat. No. CXCR4-011H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CXCR4 Protein with C-hFc tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	The protein has a predicted molecular mass of 30.5 kDa after removal of the signal peptide. The apparent molecular mass of CXCR4-hFc is approximately 35-55 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	12 months from date of despatch.
<b>Storage</b>	Store at -20 to -80 centigrade for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 centigrade (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

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temperature.

**Reconstitution**

Lyophilized from sterile PBS, pH 7.4. Normally 5 %-8% trehalose is added as protectants before lyophilization.

## 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; NPYY3R; 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 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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