

HUMAN CXCR4 PROTEIN, HFC TAG

Cat.#: 11615

Product Name: Human CXCR4 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CD184;D2S201E;FB22;HM89;HSY3RR;LAP-3;LAP3;LCR1;LESTR;NPY3R;NPYR;NPYRL;NPYY3R;WHIM;WHIMS

Target: CXCR4

UNIPROT ID: P61073

Description: Recombinant Human CXCR4 with C-terminal human Fc tag

Background: 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. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: 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.

Molecular Characterization: CXCR4(Met1-Lys38) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

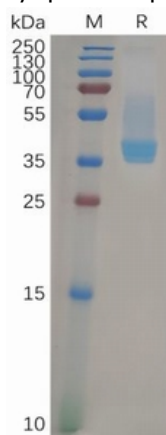


Figure 1. Human CXCR4 Protein, hFc Tag on SDS-PAGE under reducing condition.