HUMAN CXCR7 PROTEIN, HFC TAG

Cat.#: 11247

Product Name: Human CXCR7 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: Atypical chemokine receptor 3;XC-R7;XCR-7;hemokine orphan receptor 1;-protein coupled receptor 159;DC-1

Target: CXCR7

UNIPROT ID: P25106

Description: Recombinant human CXCR7 protein with C-terminal human Fc tag

Background: This gene encodes a member of the G-protein coupled receptor family. Although this protein was earlier thought to be a receptor for vasoactive intestinal peptide (VIP), it is now considered to be an orphan receptor, in that its endogenous ligand has not been identified. The protein is also a coreceptor for human immunodeficiency viruses (HIV). Translocations involving this gene and HMGA2 on chromosome 12 have been observed in lipomas. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 31.0 kDa after removal of the signal peptide. The apparent molecular mass of CXCR7-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: CXCR7(Met1-Lys40) 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.

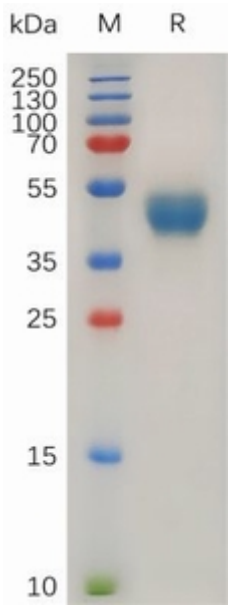

Figure 1. Human CXCR7 Protein, hFc Tag on SDS-PAGE under reducing condition.