HUMAN CXCR1 PROTEIN, HFC TAG

Cat.#: 11601

Product Name: Human CXCR1 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: C-C;C-C-CKR-1;CD128;CD181;CDw128a;CKR-1;CMKAR1;IL8R1;IL8RA;IL8RBA

Target: CXCR1 (C-X-C motif chemokine receptor 1)

UNIPROT ID: P25024

Description: Recombinant human CXCR1 protein with C-terminal human Fc tag

Background: The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord. This gene, IL8RB, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 30.6 kDa after removal of the signal peptide. The apparent molecular mass of CXCR1-hFc is approximately 40-55 kDa due to glycosylation.

Molecular Characterization: CXCR1(Met1-Lys39) 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.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

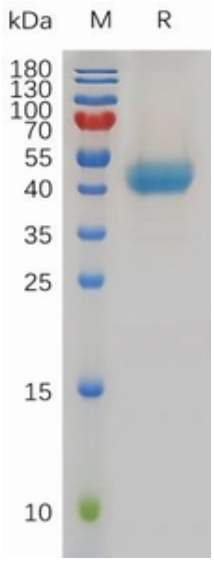

Figure 1. Human CXCR1 Protein, hFc Tag on SDS-PAGE under reducing condition.