HUMAN CXCL1 PROTEIN, HFC TAG

Cat.#: 11678

Product Name: Human CXCL1 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: FSP;GRO1;GROa;MGSA;MGSA-a;NAP-3;SCYB1

Target: CXCL1

UNIPROT ID: P09341

Description: Recombinant Human CXCL1 with N-terminal human Fc tag

Background: This antimicrobial gene encodes a member of the CXC subfamily of chemokines. The encoded protein is a secreted growth factor that signals through the G-protein coupled receptor, CXC receptor 2. This protein plays a role in inflammation and as a chemoattractant for neutrophils. Aberrant expression of this protein is associated with the growth and progression of certain tumors. A naturally occurring processed form of this protein has increased chemotactic activity. Alternate splicing results in coding and non-coding variants of this gene. A pseudogene of this gene is found on chromosome 4. [provided by RefSeq, Sep 2014]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 34.0 kDa after removal of the signal peptide.The apparent molecular mass of hFc-CXCL1 is approximately 35-40 kDa due to glycosylation.

Molecular Characterization: hFc(Glu99-Ala330) CXCL1(Ala35-Asn107)

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.

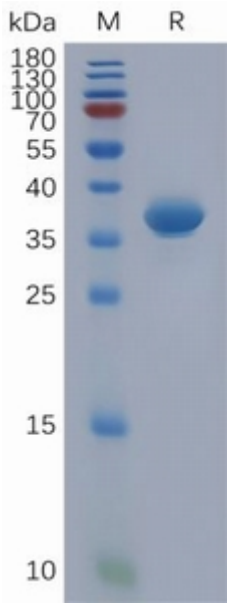

Figure 1. Human CXCL1 Protein, hFc Tag on SDS-PAGE under reducing condition.