

HUMAN CXCL1 PROTEIN, HFC TAG**Cat.#:** 11678**Product Name:** Human CXCL1 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** FSP;GRO1;GROα;MGSA;MGSA-α;NAP-3;SCYBI**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.

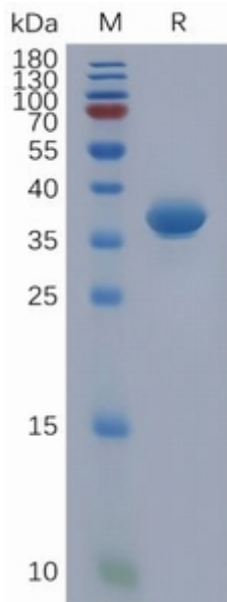


Figure 1. Human CXCL1 Protein, hFc Tag on SDS-PAGE under reducing condition.