

**HUMAN CXCL5 PROTEIN, HFC TAG****Cat.#:** 11945**Product Name:** Human CXCL5 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** ENA-78;SCYB5**Target:** CXCL5**UNIPROT ID:** P42830**Description:** Recombinant Human CXCL5 Protein with N-terminal human Fc tag**Background:** This gene encodes a protein that is a member of the CXC subfamily of chemokines. Chemokines, which recruit and activate leukocytes, are classified by function (inflammatory or homeostatic) or by structure. This protein is proposed to bind the G-protein coupled receptor chemokine (C-X-C motif) receptor 2 to recruit neutrophils, to promote angiogenesis and to remodel connective tissues. This protein is thought to play a role in cancer cell proliferation, migration, and invasion. [provided by RefSeq, May 2013]**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-CXCL5 is approximately 25-35 kDa due to glycosylation.**Molecular Characterization:** hFc(Glu99-Ala330) CXCL5(Leu44-Asn114)**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 CXCL5 Protein, hFc Tag on SDS-PAGE under reducing condition.