

HUMAN CXCL16 PROTEIN, HFC TAG**Cat.#:** 11750**Product Name:** Human CXCL16 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CXCLG16;SR-PSOX;SRPSOX**Target:** CXCL16**UNIPROT ID:** Q9H2A7**Description:** Recombinant Human CXCL16 Protein with N-terminal human Fc tag**Background:** Acts as a scavenger receptor on macrophages, which specifically binds to OxLDL (oxidized low density lipoprotein), suggesting that it may be involved in pathophysiology such as atherogenesis (By similarity). Induces a strong chemotactic response. Induces calcium mobilization. Binds to CXCR6/Bonzo.[UniProtKB/Swiss-Prot Function]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 45.2 kDa after removal of the signal peptide. The apparent molecular mass of hFc-CXCL16 is approximately 70-100 kDa due to glycosylation.**Molecular Characterization:** hFc(Glu99-Ala330) CXCL16(Asn30-Thr205)**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 CXCL16 Protein, hFc Tag on SDS-PAGE under reducing condition.