

## CYNOMOLGUS CXCL10 PROTEIN, HFC TAG

**Cat.#:** 12108

**Product Name:** Cynomolgus CXCL10 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** Gamma-IP10;IP-10;SCYB10;INP10

**Target:** CXCL10

**UNIPROT ID:** F7H741

**Description:** Recombinant Cynomolgus CXCL10 protein with C-terminal human Fc tag

**Background:** (C-X-C motif) ligand (CXCL)10 (CXCL10) belongs to the ELR(-) CXC subfamily chemokine. CXCL10/IP-10 exerts its function through binding to chemokine (C-X-C motif) receptor 3 (CXCR3), a seven trans-membrane receptor coupled to G proteins. CXCL10/IP-10 and its receptor, CXCR3, appear to contribute to the pathogenesis of many autoimmune diseases, organ specific (such as type 1 diabetes, autoimmune thyroiditis, Graves' disease and ophthalmopathy), or systemic (such as rheumatoid arthritis, psoriatic arthritis, systemic lupus erythematosus, mixed cryoglobulinemia, Sjögren syndrome, or systemic sclerosis). CXCL10/IP-10 is secreted by several cell types including endothelial cells, fibroblasts, keratinocytes, thyrocytes, preadipocytes, etc. Determination of high level of CXCL10/IP-10 in peripheral fluids is therefore a marker of host immune response.

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 34.8 kDa after removal of the signal peptide. The apparent molecular mass of cCXCL10-hFc is approximately 25-55 kDa due to glycosylation.

**Molecular Characterization:** CXCL10(Ile22-Pro98) 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.

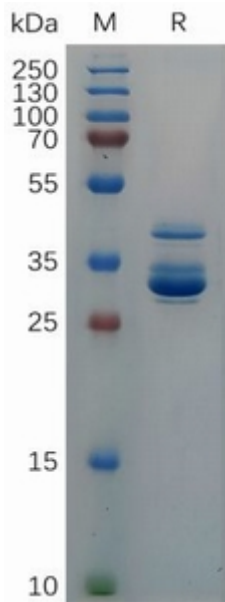


Figure 1. Cynomolgus CXCL10 Protein, hFc Tag on SDS-PAGE under reducing condition.