

HUMAN IL-8 (C-6HIS) PROTEIN**Cat.#:** 12077**Product Name:** Human IL-8 (C-6His) Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** Interleukin-8; IL-8; C-X-C Motif Chemokine 8; CXCL8; Emotakin; Granulocyte Chemotactic Protein 1; GCP-1; Monocyte-Derived Neutrophil Chemotactic Factor; MDNCF; Monocyte-Derived Neutrophil-Activating Peptide; MONAP; Neutrophil-Activating Protein 1; NAP-1**Target:** IL-8**UNIPROT ID:** P10145**Description:** Recombinant Human C-X-C Motif Chemokine 8/Interleukin 8 is produced by our Mammalian expression system and the target gene encoding Glu21-Ser99 is expressed with a 6His tag at the C-terminus.**Background:** Interleukin-8 (IL-8) belongs to the neutrophil-specific CXC family of chemokines. It is one of the initial cytokines released from a variety of cell types, including T cells, endothelial cells and fibroblasts, in response to an inflammatory stimulus and acts by recruiting neutrophils, T-cells and basophils to the site of inflammation. Elevated Interleukin-8 levels are associated with the onset of a variety of disease states.**Species/Host:** HEK293**Molecular Weight:** 10.1 KDa**Molecular Characterization:** Not available**Purity:** Greater than 95% as determined by reducing SDS-PAGE.**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.

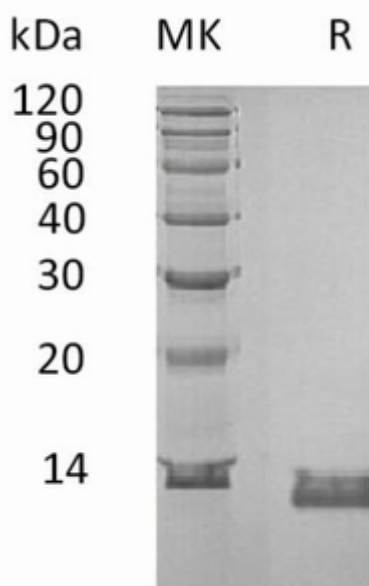


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.