



# Recombinant Protein Technical Manual

## Recombinant Human IL-8/CXCL8 Protein

RPES1302

### Product Data:

**Product SKU:** RPES1302

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** P10145

### Protein Information:

**Molecular Mass:** 8.9 kDa

**AP Molecular Mass:** 11 kDa

**Tag:**

**Bio-activity:**

**Purity:** > 95% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Interleukin-8; IL-8; C-X-C Motif Chemokine 8; Emotakin; Granulocyte Chemotactic Protein 1; GCP; Monocyte-Derived Neutrophil Chemotactic Factor; MDNCF; Monocyte-Derived Neutrophil-Activating Peptide; MONAP; Neutrophil-Activating Protein 1; NAP; Protein 30C; T-Cell Chemotactic Factor; GCP1;IL8;Interleukin-8;LECT;LUCT;LYNAP;MDNCF;MONAP;NAF;NAP;NAP1

## Immunogen Information:

**Sequence:** Ala23-Ser99

## 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.