



# Recombinant Protein Technical Manual

## Recombinant Human CXCL10 Protein

RPES1239

### Product Data:

**Product SKU:** RPES1239

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** P02778

### Protein Information:

**Molecular Mass:** 8.6 kDa

**AP Molecular Mass:** 13 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 proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°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 20mM PB, 150mM NaCl, pH 7.0.

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

**Application:**

**Synonyms:** C-X-C Motif Chemokine 10; 10 kDa Interferon Gamma-Induced Protein; Gamma-IP10; IP0; Small-Inducible Cytokine B10; CXCL10; INP10; SCYB10

## Immunogen Information:

**Sequence:** Val22-Pro98

## Background:

Human C-X-C Motif Chemokine Ligand 10 (CXCL10) is a non-ELR chemokine secreted by various cell types, such as monocytes, endothelial cells and fibroblasts, in response to IFN- $\gamma$ . CXCL10 functions via chemokine receptor CXCR3. CXCL10 has been attributed to several roles, such as chemoattraction for activated T-lymphocytes, inhibition of angiogenesis, and antitumor activity.