

# Recombinant Human CXCL10/IP-10 Protein

Catalog No.: RP01638

## Sequence Information

**Species**      **Gene ID**  
Human            3627

**Swiss Prot**    **Tags**  
P02778          C-His

### Synonyms

CXCL10, INP10, SCYB10, C-X-C motif chemokine 10, 10 kDa interferon gamma-induced protein, Gamma-IP10, IP-10, Small-inducible cytokine B10, Cleaved into: CXCL10(1-73)

## Product Information

**Source**            **Purification**  
*E. coli*            ≥ 95 % as determined by SDS-PAGE.

**Calculated MW** **Observed MW**  
8.6 kDa            15 kDa

**Endotoxin**  
< 0.1 EU/μg of the protein by LAL method.

**Formulation**  
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1–0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

C-X-C Motif Chemokine Ligand 10 (CXCL10) is a pro-inflammatory chemokine secreted by a wide spectrum of cells. It is involved in multiple mechanisms and reported to have pleiotropic effects, including immune cell migration and attraction to inflammation sites, angiogenesis, and cancer cell growth. CXCL10 is produced by pancreatic islet cells upon inflammatory stress and is specifically recognized by C-X-C Motif Chemokine Receptor 3 (CXCR3) which is expressed by activated T-lymphocytes and other immune cells.

## Basic Information

### Description

Recombinant Human CXCL10/IP-10 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Val22-Pro98) of Human CXCL10/IP-10 Protein (Accession #NP\_001556.2) fused with His tag at the C-terminus.

### Activity

### Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

## Contact

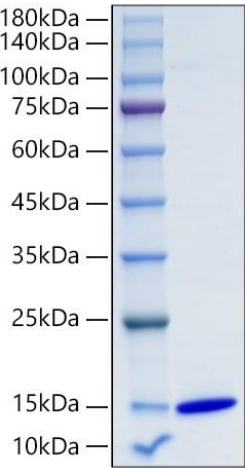
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**Validation Data**

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Recombinant Human CXCL10/IP-10 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.