

Catalog No.: RP01638 **Recombinant**

Species	Gene ID	Swiss Prot
Human	3627	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)

Source <i>E. coli</i>	Purification ≥ 95 % as determined by SDS- PAGE.
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8.6 kDa 15 kDa

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

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

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.

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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.

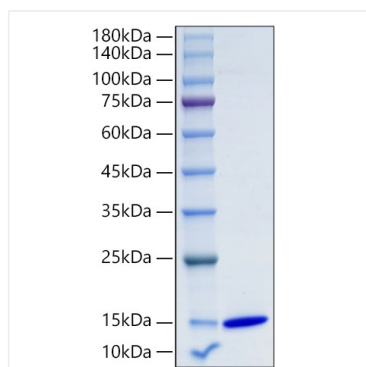
Recombinant Human CXCL10/IP-10 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Val22-Pro98) of Human CXCL10/IP-10 Protein (Accession #NP_001556.2) fused with His tag at the C-terminus.

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



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