

Recombinant Human CXCL10/IP-10 Protein

Catalog No.: RP01638 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3627	P02778

Tags

No tag

Synonyms

CXCL10; IP-10; INP10; SCYB10; C-X-C motif chemokine 10; Gamma-IP10; Small-inducible cytokine B10

Product Information

Source	Purification
E.coli	> 95% by SDS-PAGE.

Calculated MW	Observed MW
8.6 kDa	10-15 kDa

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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.

Contact

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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 (Accession #P02778) fused with No tag.

Bio-Activity

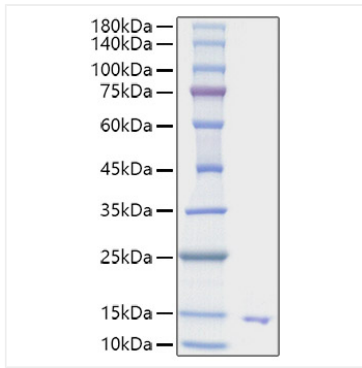
Storage

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 with Coomassie Blue, showing a band at 10-15 kDa.