

Bioactive

CXCL10 (Human) Recombinant Protein

Catalog # P3643

Size 25 ug

Specification

Product Description	Human CXCL10 (P02778, 22 a.a. - 98 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	VPLSRTVRCTCISISNQPVNPRSLEKLEIIPASQFCPRVEIATMKKKGEKRCLNPESKAIKNLLKAVSKERSKRSP
Host	Escherichia coli
Theoretical MW (kDa)	9
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	Determined by the ability to chemoattract human T-Lymphocytes using a concentration of 10-50 ng/mL.
Storage Buffer	Lyophilized from PBS, pH 7.0
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — CXCL10

Entrez GeneID [3627](#)

Protein Accession# [P02778](#)

Gene Name CXCL10

Gene Alias C7, IFI10, INP10, IP-10, SCYB10, crg-2, gIP-10, mob-1

Gene Description chemokine (C-X-C motif) ligand 10

Omim ID [147310](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a chemokine of the CXC subfamily and ligand for the receptor CXCR3. Binding of this protein to CXCR3 results in pleiotropic effects, including stimulation of monocytes, natural killer and T-cell migration, and modulation of adhesion molecule expression. [provided by RefSeq]

Other Designations gamma IP10|interferon-inducible cytokine IP-10|protein 10 from interferon (gamma)-induced cell line|small inducible cytokine B10|small inducible cytokine subfamily B (Cys-X-Cys), member 10

Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Aspergillosis](#)
- [Carcinoma](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)

- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Hematologic Neoplasms](#)
- [Hepatitis B](#)
- [HIV Infections](#)
- [Idiopathic Pulmonary Fibrosis](#)
- [Liver Neoplasms](#)
- [Multiple Sclerosis](#)
- [Severe Acute Respiratory Syndrome](#)
- [Tuberculosis](#)