

Bioactive

CXCL10 (Human) Recombinant Protein

Catalog # P7298

Size 10 ug

Specification

Product Description	Human CXCL10 (P02778, 22 a.a. - 98 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MVPLSRTVRCTCISISNQPVNPRSLEKLEIPASQFCPRVEIATMKKKGKRCCLNPESKAIKNLLKAVSKERSKRSP
Host	Escherichia coli
Theoretical MW (kDa)	8.6
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% as analyzed by SDS-PAGE. > 95% as analyzed by HPLC.
Endotoxin Level	< 0.2 EU/μg of protein by gel clotting method
Activity	ED ₅₀ < 0.2 ug/mL, measured by a cell proliferation assay of HUVEC cells in the presence of 2.5 ng/mL h-VEGF, corresponding to a specific activity of > 5.0 × 10 ³ IU/mg.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. 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](#)