

Growth Factor Data Sheet

GoldBio growth factors are manufactured for **RESEARCH USE ONLY** and cannot be sold for human consumption!

CXCL10 is a CXC chemokine lacking the ELR motif. It is expressed in and secreted by monocytes, endothelial cells, fibroblasts, and other cell types after induction by IFN-gamma. It is chemotactic for monocytes and T-cell lymphocytes. CXCL10 plays a role in angiostasis, inhibits bone marrow colony formation, and promotes T-cell adhesion to endothelial cells. Increased expression of CXCL10 and CXCR3 is also associated with autoimmune myasthenia gravis. CXCL10 also exhibits antimicrobial properties against Gram-positive and Gram-negative bacteria. It is closely related to CXCL9 and CXCL11, all three of which are ligands for CXCR3.

Catalog Number	2110-10
Product Name	CXCL10, Human Recombinant Human Chemokine (C-X-C motif) Ligand 10 (CXCL10) Cytokine Responsive Gene 2 (CRG2) Small Inducible Cytokine Subfamily B Member 10 (SCYB10) Interferon Gamma Inducible Protein 10, (IP10, INP10)
Source	<i>Escherichia coli</i>
MW	~8.6 kDa (77 amino acids)
Sequence	VPLSRTVRCT CISISNPVN PRSLEKLEII PASQFCPRVE IATMKKKGE KRCLNPESKA IKNLLKAVSK EMSKRSP
Accession Number	P02778
Purity	>97% by SDS-PAGE and HPLC analyses
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood T-lymphocytes is in a concentration range of 10-50 ng/ml.
Formulation	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
Storage/Handling	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
Reconstitution	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.