CXCL10
Recombinant Human CXCL10/IP-10

Catalog No.	CRI300A	**Quantity:**	5 µg
	CRI300B		25 µg
	CRI300C		1.0 mg

Alternate Names: Interferon-inducible Protein 10, C7, crg-2, gIP-10, IFI10, INP10, SCYB10

Description: Recombinant Human CXCL10/IP-10 is a single non-glycosylated polypeptide chain containing 77 amino acids.
Background: Gamma -Interferon Inducible Protein 10 (IP-10)/CXCL10 was originally identified as an IFN-gamma-inducible gene in monocytes, fibroblasts and endothelial cells. It has since been shown that IP-10 mRNA is also induced by LPS, IL-1beta, TNF-alpha, IL-12 and viruses. Additional cell types that have been shown to express IP-10 include activated T-lymphocytes, splenocytes, keratinocytes, osteoblasts, astrocytes, and smooth muscle cells. IP-10 is also expressed in psoriatic and lepromatous lesions of skin. The mouse homologue of human IP-10, Crg-2, has been cloned and shown to share approximately 67% amino acid sequence identity with human IP-10.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Gene ID: 3627

Protein Accession No: NP_001556

Source: *E. coli*

Molecular Weight: 8.6 kDa

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4 + 50 mM NaCl.

Purity: >97% by HPLC and SDS-PAGE

Endotoxin Level: Less than 1EU/µg of rHuIP-10/CXCL10 as determined by LAL method.

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.

Amino Acid Sequence: VPLSRTVRCT CISISNQPVN PRSLEKLEII PASQFCPRVE IIATMKKKGE KRCLNPESKA IKNLLKAVSK EMSKRSP

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

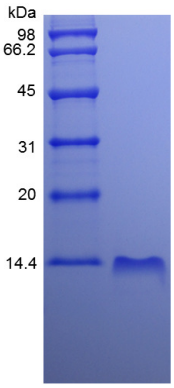
Storage & Stability: This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com

SDS-PAGE



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Cell Sciences ®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com