

Recombinant Human CXCL10/IP-10/CRG-2

CATALOG #:	4277-10 4277-50 4277-1000	10 µg 50 µg 1 mg
ALTERNATE NAMES:	C-X-C motif chemokine 10 (10 kDa interferon gamma-induced protein) (Gamma-IP10) (IP-10) (Small-inducible cytokine B10) Cleaved into: CXCL10 (1-73)	
SOURCE:	E Coli.	
PURITY:	> 95% as determined by SEC-HPLC. > 95% as determined by reducing SDS-PAGE	
MOL. WEIGHT:	8.8 kDa	
ENDOTOXIN CONTENT:	< 0.1 ng/µg (1 IEU/µg)	
FORMULATION:	Recombinant CXCL10/IP-10/CRG-2 is lyophilized from a 0.2 µm filtered solution of 20 mM PB and 150 mM NaCl, pH 7.0.	
BIOLOGICAL ACTIVITY:	The ED ₅₀ of rHu CXCL10 as determined by its ability to chemoattract human CXCR3 transfected BaF3 mouse proB cells was 0.02-0.06 µg/mL.	

SEQUENCE:

Recombinant human CXCL10/IP-10/CRG-2 is produced by E.coli transformed with a plasmid contains sequence (Val22-Pro98) of human CXCL10/IP-10/CRG-2 (Uniprot Entry: P02778) fused with a polyhistidine tag at the C-terminus. The sequence of the first five N-terminal amino acids was determined and was found to be Val-Pro-Leu-Ser-Arg.

RECONSTITUTION:

Dissolve in 1x PBS (It is not recommended to reconstitute to a final concentration less than 100 µg/ml). This can further be diluted to other aqueous buffers.

STORAGE CONDITIONS:

Lyophilized CXCL10/IP-10/CRG-2 should be stored at less than -20°C, though stable at room temperature for 3 weeks. Reconstitute protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at less than -20°C for 3 months. Avoid repeated freeze thaw cycles.

DESCRIPTION:

Human Chemokine (C-X-C motif) ligand 10(CXCL10),also known as Interferon gamma-inducible protein-10 (IP-10), is a non-ELR chemokine secreted by various cell types including monocytes, endothelial cells and fibroblasts in response to IFN-γ. CXCL10 functions via chemokine receptor CXCR3. CXCL10 has been attributed to several roles, such as chemoattraction for activated T-lymphocytes, inhibition of angiogenesis and antitumor activity.

RELATED PRODUCTS:

- Recombinant Human CCL23 (Cat. No. 4276-10, 50, 100)
- Recombinant Human CXCL10 (Cat. No. 4277-10, 50, 100)
- Recombinant Human CXCL14 (Cat. No. 4278-10, 50, 100)
- Eotaxin/CCL11, human recombinant (Cat. No. 4028-20, 100, 1000)
- Eotaxin/CCL11, murine recombinant (Cat. No. 4029-10, 1000)
- RANTES, human recombinant (Cat. No. 4321-10, 1000)
- RANTES, murine recombinant (Cat. No. 4322-10, 1000)
- RANTES, rat recombinant (Cat. No. 4323-20, 100, 1000)
- SDF-1alpha (CXCL12), human recombinant (Cat. No. 4387-10, 50, 1000)
- SDF-1alpha (CXCL12), murine recombinant (Cat. No. 4388-10, 50, 1000)
- SDF-1beta (CXCL12), human recombinant (Cat. No. 4390-10, 100, 1000)
- SDF-1beta (CXCL12), murine recombinant (Cat. No. 4391-10, 100, 1000)

FOR RESEARCH USE ONLY! Not to be used on humans.