

CXCL10/IP-10/Crg-2, Human, Recombinant

Cat. No. : PCK120

General Information

Synonyms	IP-10;Gamma-Interferon Inducible Protein 10;Crg-2
Species	Human
Expression host	E.coli
Sequence	VPLSRTVRCCTCISISNQPVNPRSLKLEIIPASQFCPRVEIATMKKKGKRCCLNPESKAIKNLLKAVSKERSKRSP with polyhistidine tag at the N-terminus.
Accession	P02778.2
Tag	His-tag at the N-terminus
Mol mass	9.45 kDa
Expiration date	12 months
Bio activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR3. The ED50 for this effect is < 0.15 µg/mL.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/µg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 µm filtered solution containing 1 × PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

CXCL10, belongs to the CXC chemokine family, is also known as IP-10. CXCL10 was originally identified as a responder to IFN-gamma in monocytes, endothelial cells and fibroblasts. The effects of this chemokine can be induced by binding to the cell surface chemokine receptor CXCR3. Research shows that CXCL10 is a chemoattractant for activated T-lymphocytes, monocytes and macrophages. It also has other functions, such as promotion of T cell adhesion to endothelial cell.