

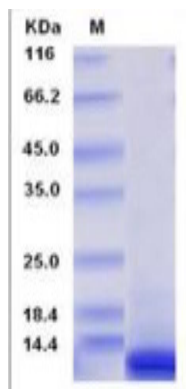
CXCL10

Recombinant Human CXCL10

Catalog No.	CRH554A CRH554B CRH554C	Quantity:	50 µg 100 µg 1.0 mg
Alternate Names:	C-X-C motif chemokine 10, 10 kDa interferon gamma-induced protein, Gamma-IP10, IP-10, Small-inducible cytokine B10		
Description:	C-X-C motif chemokine 10 (CXCL10) exerts its function through binding to chemokine (C-X-C motif) receptor 3 (CXCR3), a seven trans-membrane receptor coupled to G proteins. CXCL10 and its receptor, CXCR3, appear to contribute to the pathogenesis of many autoimmune diseases, organ specific (such as type 1 diabetes, autoimmune thyroiditis, Graves' disease and ophthalmopathy), or systemic (such as rheumatoid arthritis, psoriatic arthritis, systemic lupus erythematosus, mixed cryoglobulinemia, Sjögren syndrome, or systemic sclerosis). CXCL10 is secreted by several cell types including endothelial cells, fibroblasts, keratinocytes, thyrocytes, preadipocytes, etc. Determination of high level of CXCL10 in peripheral fluids is therefore a marker of host immune response.		
UniProt ID:	P02778		
Accession Number:	NP_001556.2		
Protein Construction:	A DNA sequence encoding the mature form of human CXCL10 (Val22-Pro98) was expressed, with a N-terminal Met.		
Source:	E. coli		
Formulation:	Lyophilized from sterile PBS Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The recombinant human CXCL10 consists of 78 amino acids and predicts a molecular mass of 8.8 KDa. It migrates at ~9 KDa in SDS-PAGE under reducing conditions.		
Purity:	> 98 % as determined by SDS-PAGE.		
Biological Activity:	Testing in progress		
Predicted N-terminal:	Met		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		



SDS-PAGE



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