


Human CXCL1 protein

Cat #: PRP1041

Size: 10µg/50µg/500µg

Product Information

	Product Name: Human CXCL1 protein		
REF	Catalog Number: PRP1041	LOT	Lot Number: Refer to product label
	Purity: > 96 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E. coli
	Shipping: The product is shipped at ambient temperature.		

Background: Chemokine (C-X-C motif) Ligand 1 Protein (CXCL1) is a growth factor for melanoma cells and a chemotaxin for neutrophils and a member of the CXC chemokine family that is a potent neutrophil attractant and activator and is also active toward basophils. CXCL1 is expressed by macrophages, neutrophils and epithelial cells; it has neutrophil chemoattractant activity. CXCL1 plays a critical nonredundant role in the development of experimental Lyme arthritis and carditis via CXCR2-mediated recruitment of neutrophils into the site of infection and may also have important pro-nociceptive effects via its direct actions on sensory neurons, and may induce long-term changes that involve protein synthesis.

Sequence: Amino acid sequence derived from Human CXCL1 (P09341) (Ala35-Asn107) was expressed.

Protein length: The recombinant Human CXCL1 consists of 73 amino acids and predicts a molecular mass of 7.9 kDa.

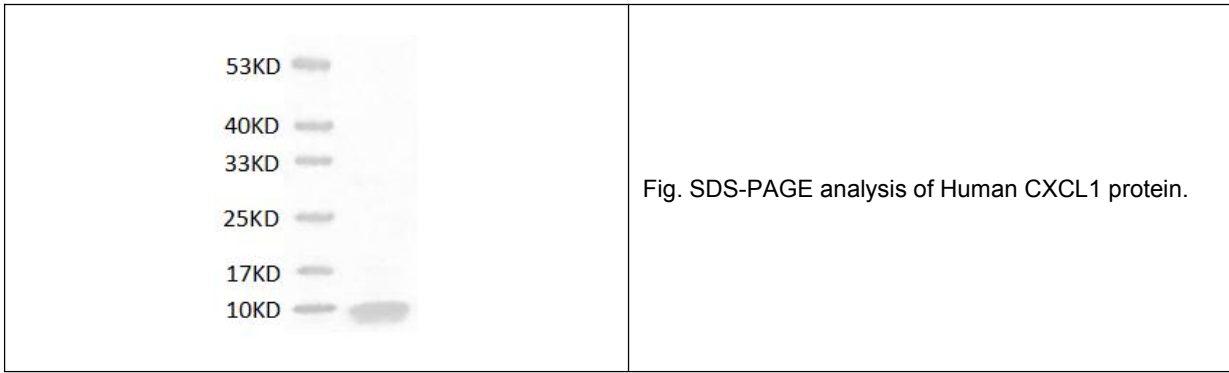
Biological Activity: Testing in progress.

Endotoxin: < 1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20mM Tris, 50mM NaCl, pH 8.0.

Storage Instructions: Lyophilized recombinant Human CXCL1 protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant Human CXCL1 protein using the buffer we provided not less than 100µg/ml, which can then be further diluted to other aqueous solutions.



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