Customer service: service@abbkine.com
Technical support: support@abbkine.com
Website: https://www.abbkine.com

Human IL-8 protein

Cat #:PRP1022 Size: 10μg /50μg/100μg /1mg

Product Information

	Product Name: Human IL-8 protein		
	Reconstitution: Use the buffer provided to reconstitute the lyophilized Human IL-8 protein		
REF	**Catalog Number:** PRP1022	LOT	**Lot Number:** Refer to product label
	Purity: ≥ 98 % as determined by SDS-PAGE		
	Storage: Store at -20°C		**Preparation method:** E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: Interleukin-8 (IL-8), also known as CXCL8, GCP-1, and NAP-1,belongs to the neutrophil-specific CXC family of chemokines.This chemokine is secreted by a variety of cell types including monocyte/macrophages, T cells, neutrophils, fibroblasts, endothelial cells, and various tumor cell lines in response to an inflammatory stimulus and acts by recruiting neutrophils, T-cells and basophils to the site of inflammation.

Sequence: Amino acid sequence derived from Human IL-8 isoform (P10145)(Ser28-Ser99) was expressed.

Protein length: The recombinant Human IL-8 consists of 72 amino acids (N-Met) and has a predicted molecular mass of 8 kDa.

Biological Activity:

1.Immobilized human IL-8 at 200 ng/mL (100μL/well) can bind mouse anti-IL-8 antibody, the EC50 of Human IL-8 is 66.4 ng/mL.The specific activity of recombinant Human IL-8 protein is approximately 1.5 x 10^4 IU/mg.

2.Determined by its ability to chemoattract using a Human Monocytic Leukemia Cell Line concentration range of 10.0-100.0 ng/ml

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

Formulation: Lyophilized from sterile 20 mM Tris, 200 mM NaCl pH 7.0.

Storage Instructions: Lyophilized Human IL-8 protein product should be stored desiccated below -18°C for 12 months. Upon reconstitution, the protein should be stored at 4°C between 2-7 days . For long term storage it is recommended to add a

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carrier protein (0.1% HSA or BSA). aliquot and store below -18°C. Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening . It is recommended to centrifuge at 12,000 rpm for 1 minute. Then reconstitute the lyophilized Human IL-8 protein with the buffer provided not less than 100μg/ml, which can then be further diluted with other aqueous solutions.

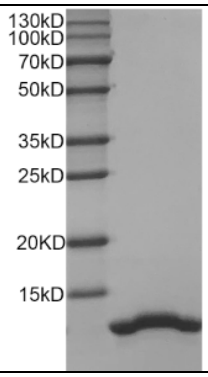


Fig. SDS-PAGE analysis of Human IL-8 protein.

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