

## Active Recombinant Human CXCL8 Protein

Cat. No. CXCL8-231C Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CXCL8 Protein without tag was expressed in CHO.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Description</b>	Interleukin-8 (IL-8), also known as CXCL8, GCP-1 and NAP-1, is a proinflammatory chemokine belonging to the intercrine alpha (chemokine CXC) family. It is secreted by monocytes, macrophages and endothelial cells. IL-8 signals through CXCR1 and CXCR2 to chemoattract neutrophils, basophils, and T cells. IL-8 is also a potent promoter of angiogenesis. Other functions of this protein, such as involvement in bronchiolitis pathogenesis, have also been reported.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	ED50 < 6 ng/mL, measured in a calcium flux assay using CHO/Gα15 cells transiently expressing CXCR1.
<b>Molecular Mass</b>	~9 kDa, observed by reducing SDS-PAGE
<b>AA Sequence</b>	AVLPRSAKELRCQCIKTYSKPFHPKFIKELRVIESGPHCANTEIIVKLSDGRELCLDPK ENWVQRVVEKFLKRAENS
<b>Endotoxin</b>	< 0.2 EU/μg, determined by LAL method.

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<b>Purity</b>	> 95% as analyzed by SDS-PAGE and HPLC.
<b>Storage</b>	Lyophilized recombinant Human Interleukin-8 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human Interleukin-8 should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
<b>Storage Buffer</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/mL.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CXCL8 C-X-C motif chemokine ligand 8 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CXCL8
<b>Synonyms</b>	CXCL8; C-X-C motif chemokine ligand 8; IL8; NAF; GCP1; LECT; LUCT; NAP1; GCP-1; LYNAP; MDNCF; MONAP; NAP-1; SCYB8; interleukin-8; T-cell chemotactic factor; alveolar macrophage chemotactic factor I; beta endothelial cell-derived neutrophil activating peptide; beta-thromboglobulin-like protein; chemokine (C-X-C motif) ligand 8; emoctakin; granulocyte chemotactic protein 1; interleukin 8; lung giant cell carcinoma-derived chemotactic protein; lymphocyte derived neutrophil activating peptide; monocyte-derived neutrophil chemotactic factor; monocyte-derived neutrophil-activating peptide; neutrophil-activating peptide 1; small inducible cytokine subfamily B, member 8; tumor necrosis factor-induced gene 1
<b>Gene ID</b>	3576
<b>mRNA Refseq</b>	NM_000584
<b>Protein Refseq</b>	NP_000575

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<b>MIM</b>	146930
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<b>UniProt ID</b>	P10145
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