

Active Recombinant Human CXCL8 Protein

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

SPECIFICATION

Product Overview	Recombinant Human CXCL8 Protein without tag was expressed in CHO.
Species	Human
Source	CHO
Description	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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 6 ng/mL, measured in a calcium flux assay using CHO/Gα15 cells transiently expressing CXCR1.
Molecular Mass	~9 kDa, observed by reducing SDS-PAGE
AA Sequence	AVLPRSAKELRCQCIKTYSKPFHPKFIKELRVIESGPHCANTEIIVKLSDGRELCCLDPK ENWVQRVVEKFLKRAENS
Endotoxin	< 0.2 EU/μg, determined by LAL method.

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Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Storage	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.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/mL.
GENE INFORMATION	
Gene Name	CXCL8 C-X-C motif chemokine ligand 8 [Homo sapiens (human)]
Official Symbol	CXCL8
Synonyms	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
Gene ID	3576
mRNA Refseq	NM_000584
Protein Refseq	NP_000575

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MIM	146930
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UniProt ID	P10145
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