

# Recombinant Human IL8, His-tagged

**Cat. No.** IL8-11727H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL8 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-99a.a.
<b>Description</b>	The protein encoded by this gene is a member of the CXC chemokine family. This chemokine is one of the major mediators of the inflammatory response. This chemokine is secreted by several cell types. It functions as a chemoattractant, and is also a potent angiogenic factor. This gene is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. This gene and other ten members of the CXC chemokine gene family form a chemokine gene cluster in a region mapped to chromosome 4q.
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

## GENE INFORMATION

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<b>Gene Name</b>	IL8 interleukin 8 [ Homo sapiens ]
<b>Official Symbol</b>	IL8
<b>Synonyms</b>	IL8; interleukin 8; interleukin-8; 3 10C; alveolar macrophage chemotactic factor I; AMCF I; b ENAP; beta endothelial cell derived neutrophil activating peptide; chemokine (C X C motif) ligand 8; CXCL8; GCP 1; GCP1; granulocyte chemotactic protein 1; IL 8; K60; LECT; LUCT; lung giant cell carcinoma derived chemotactic protein; lymphocyte derived neutrophil activating peptide; LYNAP; MDNCF; MONAP; monocyte derived neutrophil chemotactic factor; monocyte derived neutrophil activating peptide; NAF; NAP 1; NAP1; neutrophil activating peptide 1; SCYB8; TSG 1; tumor necrosis factor induced gene 1; emoctakin; T-cell chemotactic factor; neutrophil-activating peptide 1; chemokine (C-X-C motif) ligand 8; beta-thromboglobulin-like protein; tumor necrosis factor-induced gene 1; monocyte-derived neutrophil chemotactic factor; monocyte-derived neutrophil-activating peptide; small inducible cytokine subfamily B, member 8; lung giant cell carcinoma-derived chemotactic protein; beta endothelial cell-derived neutrophil activating peptide; GCP-1; NAP-1;
<b>Gene ID</b>	3576
<b>mRNA Refseq</b>	NM_000584
<b>Protein Refseq</b>	NP_000575
<b>MIM</b>	146930
<b>UniProt ID</b>	P10145
<b>Chromosome Location</b>	4q13-q21

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**Pathway**

ATF-2 transcription factor network, organism-specific biosystem; Activation of Genes by ATF4, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem;

**Function**

chemokine activity; interleukin-8 receptor binding; protein binding;

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