

## Recombinant Human IL-8

**Cat. No.** IL8-36H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human IL-8 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
<b>Description</b>	Interleukin-8 (IL-8), also known as CXCL8, is a CXC family member chemokine produced by macrophages and other cell types such as epithelial cells. There have been 17 different CXC chemokines described in mammals, that are subdivided into two categories, those with a specific amino acid sequence (or motif) of glutamic acid-leucine-arginine (or ELR for short) immediately before the first cysteine of the CXC motif (ELR-positive), and those without an ELR motif (ELR-negative). ELR-positive CXC chemokines such as IL-8 specifically induce the migration of neutrophils, and interact with chemokine receptors CXCR1 and CXCR2.
<b>Source</b>	Yeast
<b>Species</b>	Human
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	9.1 kDa
<b>AA Sequence</b>	EGAVLPRSAK ELRCQCIKTY SKPFHPKFIK ELRVIESGPH CANTEIIVKL SDGRELCLDP KENWVQRVVE KFLKRAENS (79)
<b>Applications</b>	The Human IL-8 protein can be used in cell culture, as an IL-8 ELISA Standard, and as a Western Blot Control.

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<b>Storage</b>	-20 C
<b>Tag</b>	Non
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	IL8 interleukin 8 [ <i>Homo sapiens</i> ]
<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; emotakin; 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>	<a href="#">3576</a>
<b>mRNA Refseq</b>	<a href="#">NM_000584</a>
<b>Protein Refseq</b>	<a href="#">NP_000575</a>
<b>MIM</b>	<a href="#">146930</a>

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<b>UniProt ID</b>	P10145
<b>Chromosome Location</b>	4q13-q21
<b>Pathway</b>	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;
<b>Function</b>	chemokine activity; interleukin-8 receptor binding; protein binding;