

## GFH175 Recombinant Human IL-8

### Description

Interleukin-8 (IL-8), also known as CXCL8, is a member of the CXC cytokine family and is produced by macrophages, epithelial, smooth muscle, and endothelial cells. IL-8 binds the G protein-coupled serpentine receptors CXCR1 and CXCR2. IL-8 recruits innate immune cells, induces phagocytosis, and stimulate angiogenesis.

<b>Length</b>	77 aa
<b>Molecular Weight</b>	8.9 kDa
<b>Source</b>	E. coli
<b>Accession Number</b>	P10145
<b>Purity</b>	≥95% determined by reducing and non-reducing SDS-PAGE

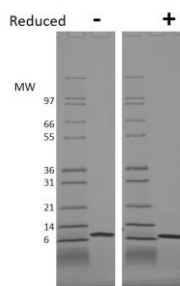
### Specifications

<b>Alternative Names</b>	Interleukin-8, interleukin 8, IL8, IL 8, CXCL8, chemokine (C-X-C motif) ligand 8, C-X-C motif chemokine 8, neutrophil chemotactic factor
<b>Biological Activity</b>	Human IL-8 is fully biologically active when compared to standard.
<b>Endotoxin Level</b>	≤1.00 EU/μg as measured by kinetic LAL
<b>Formulation</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
<b>AA Sequence</b>	AVLPRSAKEL RCQCIKTYSK PFHPKFIKEL RVIESGPHCA NTEIIVKLSD GRELCCLDPKE NWWQRVVEKF LKRAENS

### Preparation and Storage

<b>Reconstitution</b>	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
<b>Stability and Storage</b>	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

### Data



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μg of protein was loaded in each lane. Human IL-8 has a predicted Mw of 8.9 kDa.