

## 32-12159: Human Interleukin-8 (CXCL8)

**Gene :** CXCL8  
**Gene ID :** 3576  
**Uniprot ID :** P10145  
**Alternative Name :** C-X-C motif chemokine 8, Chemokine (C-X-C motif) ligand 8, Emotakin, Granulocyte chemotactic protein 1

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 8.9 kDa (77 aa)

Interleukin 8 (IL-8 or 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 stimulates angiogenesis.

### Product Info

**Amount :** 25 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at >= 95%  
 Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5  
**Content :** Sterile water at 0.1 mg/mL  
**Storage condition :** Store at -20°C  
**Amino Acid :** AVLPRSAKEL RCQCIKTYSK PFKPKFIKEL RVIESGPHCA NTEIIVKLSDA GRELCLDPKE NWWQRVV EKFA LKRAENS

### Application Note

**Endotoxin:** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



