

**Product:** Interleukin-8 (1-72), human, recombinant  
**Catalog #:** 11-IL-8-72  
**Amount:** 5 µg

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**DESCRIPTION:** Recombinant Human IL-8 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 72 amino acids and having a molecular mass of 8452 Dalton.  
The rHuIL-8 is purified by proprietary chromatographic techniques.  
The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Ala-Lys-Glu-Leu.

**SOURCE:** *Escherichia coli* expression system

**MOLECULAR WEIGHT:** 8.4 kDa

**PURITY:** > 98.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC.  
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

**ENDOTOXIN:** Less than 0.1 ng/µg (IEU/µg) of rHuIL-8.

**DIMERS & AGGREGATES:** Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
1. UV spectroscopy at 280 nm using the absorbency value of 0.85 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).  
2. Analysis by RP-HPLC, using a standard solution of IL-8 as a Reference Standard.

**FORM:** Purified.

**CONCENTRATION:** 0.1 mg/ml

**STORAGE:** -20°C (aliquot), avoid freezing and thawing cycles

**BIOLOGICAL ACTIVITY:** rHuIL-8 is fully biologically active when compared to standard.  
Specific Activity of IL-8 in chemotaxis of donor PBL neutrophils, threshold concentration corresponding to 10-100ng/ml.

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