

## Interleukin-8 (1-77 a.a.) Human Recombinant, (CXCL8) Pichia

<b>Item Number</b>	rAP-0177
<b>Synonyms</b>	IL-8, CXCL8, Monocyte-derived neutrophil chemotactic factor, MDNCF, T-cell chemotactic factor, Neutrophil-activating protein 1, NAP-1, Protein 3-10C, Granulocyte chemotactic protein 1, GCP-1, Monocyte-derived neutrophil-activating peptide, MONAP, Emoctaki
<b>Description</b>	Interleukin-8 Human Recombinant produced in Yeast is a single, glycosylated polypeptide chain containing 79 amino acids and having a molecular mass of 9 kDa. The IL-8 is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P10145
<b>Amino Acid Sequence</b>	
<b>Source</b>	Pichia Pastoris.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Interleukin-8 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL8 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	Lyophilized from a concentrated (1mg/ml) solution in water containing 20mM sodium phosphate buffer pH-8. Greater than 98.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized Interleukin 8 in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	Specific Activity of IL8 in chemotaxis of donor PBL neutrophils, threshold concentration of 25ng/ml corresponding to a Specific Activity of 40,000IU/mg.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**