

## Overview

<b>Synonyms</b>	CXCL8, monocyte-derived neutrophil chemotactic factor (MDNCF), neutrophil activating factor (NAF), NAP-1
<b>Description</b>	<b>Interleukin-8 (IL-8)</b> , also known as CXCL8, GCP-1 and NAP-1, is a proinflammatory chemokine belonging to the intercrine alpha (chemokine CXC) family. It is secreted by monocytes, macrophages and endothelial cells. IL-8 signals through CXCR1 and CXCR2 to chemoattract neutrophils, basophils, and T cells. IL-8 is also a potent promoter of angiogenesis. Other functions of this protein, such as involvement in bronchiolitis pathogenesis, have also been reported.
<b>Accession No</b>	P10145
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Biological Activity</b>	ED <sub>50</sub> < 6 ng/ml, measured in a calcium flux assay using CHO/G±15 cells transiently expressing CXCR1.
<b>Sequence</b>	AVLPRSAKEL RCQCIKTYSK PFHPKFIKEL RVIESGPHCA NTEIIVKLSL GRELCLDPKE NWWQRVVEKF LKRAENS

## Properties

<b>Measured Molecular Weight</b>	~9 kDa, observed by reducing SDS-PAGE
<b>Purity</b>	> 95% as analyzed by SDS-PAGE and HPLC.
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/ml.
<b>Endotoxin Level</b>	< 0.2 EU/µg, determined by LAL method.
<b>Storage</b>	Lyophilized recombinant <b>Human Interleukin-8</b> remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Interleukin-8 should be stable up to 1 week at 4°C or up to 2 months at -20°C.
<b>Note</b>	For research use only

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