
Product Data Sheet

Product Name: IL 8 Human (1-77), His
 Cat. No.: GP21131
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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; Emoctakin; K60; NAF; LECT; LUCT; 3-10C; LYNAP; SCYB8; TSG-1; AMCF-I; b-ENAP.		
Formulation	IL8 His is supplied in 10mM Tris-HCl pH 8, 250mM NaCl and 50% glycerol.		

Introduction

Interleukin-8 (IL-8) is a chemokine produced by macrophages and other cell types such as epithelial cells. It is also synthesized by endothelial cells, which store IL-8 in their storage vesicles, the Weibel-Palade bodies. When first encountering an antigen, the primary cells to encounter it are the macrophages who phagocytose the particle. Upon processing, they release chemokines to signal other immune cells to come in to the site of inflammation. IL-8 is one such chemokine. It serves as a chemical signal that attracts neutrophils at the site of inflammation, and therefore is also known as Neutrophil Chemotactic Factor.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

Background

Interleukin-8 Human Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 77 amino acids fragment (23-99) and having a total molecular mass of 13.7kDa with an amino-terminal hexahistidine tag. The IL-8 His is

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Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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purified by proprietary chromatographic techniques.

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