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Recombinant human IL-8/CXCL8 protein

Catalog Number: ILH0501

PRODUCT INFORMATION

Expression system

E.coli

Domain

23-99aa

UniProt No.

P10145

NCBI Accession No.

NP 000575.1

Alternative Names

C-X-C motif chemokine ligand 8, Interleukin-8, IL-8, C-X-C motif chemokine 8, Emoctakin, Granulocyte chemotactic protein 1, GCP-1, Monocyte-derived neutrophil chemotactic factor, MDNCF, Monocyte-derived neutrophil-activating peptide, MONAP, Neutrophil-activating protein 1, NAP-1, Protein 3-10C, T-cell chemotactic factor, Lung giant cell carcinoma-derived chemotactic protein, Tumor necrosis factor-induced gene 1, Lymphocyte derived neutrophil activating peptide, Beta endothelial cell-derived neutrophil activating peptide, Alveolar macrophage chemotactic factor I, SCYB8, LUCT, LECT, TSG-1, AMCF-I, LYNAP, NAF, b-ENA

PRODUCT SPECIFICATION

Molecular Weight

9 kDa (78aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4)

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.



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BACKGROUND

Description

Interleukin-8 (IL-8) is a chemokine, a member of the cytokine family that displays chemotactic activity for specific types of leukocytes. It is a proinflammatory CXC chemokine that can signal through the CXCR1 and CXCR2 receptors. Many cell types, including monocyte/macrophages, T cells, neutrophils, fibroblasts, endothelial cells, keratinocytes, hepatocytes, chondrocytes, and various tumor cell lines, can produce CXCL8/IL-8 in response to a wide variety of pro-inflammatory stimuli such as exposure to IL-1, TNF, LPS, and viruses. Recombinant human IL-8 was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

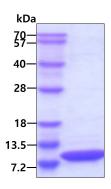
MAVLPRSAKE LRCQCIKTYS KPFHPKFIKE LRVIESGPHC ANTEIIVKLS DGRELCLDPK ENWVQRVVEK FLKRAENS

General References

Mukaida, N., et al.(1992)Microbiol. Immunol. 36, 773-789 Larsen, C.G., et al. (1989). Science, 243, 1464-1466 Baldwin ET., et al. (1990). J Biol Chem. 265(12):6851-6853

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

