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## Human IL-8 Recombinant Protein

Catalog Number: 14-8089

Also Known As: Interleukin-8, IL8, 72aa

RUO: For Research Use Only. Not for use in diagnostic procedures.

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### Product Information

Contents: Human IL-8 Recombinant Protein

 Catalog Number: 14-8089

Handling Conditions: For best recovery, quick-spin vial prior to opening. Use in a sterile environment

Source: E. coli expressed amino acids Ser 28-Ser 99 of human IL-8 accession # NM\_000584


Molecular Mass: The protein is not methionylated at the N-terminal and has a predicted molecular mass of 8,386. The DTT reduced protein migrates as an 8 kDa polypeptide and the non-reduced polypeptide migrates as a 9kDa polypeptide on SDS-PAGE.

Purity: > 98%, as determined by SDS-PAGE


Endotoxin Level: Less than 0.01 ng/ug cytokine as determined by the LAL assay.

Bioactivity: Measured by chemotaxis assay of human peripheral blood neutrophils. Maximal chemoattractant activity was observed between 10-100 ng/mL.

Formulation: Sterile liquid; phosphate buffered saline, pH 7.2, 1.0% BSA. 0.22 um filtered.

 Temperature Limitation: Store at less than or equal to -70°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

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### Description

Human IL-8, also called neutrophil attractant/activating protein (NAP-1), monocyte derived neutrophil activating peptide (MONAP), monocyte derived neutrophil activating factor (ANF), monocyte derived neutrophil chemotactic factor (MDNCF), and neutrophil activating factor (NAF), is a ~6-8 kDa factor produced by variety types of cells including monocytes, lymphocytes, granulocytes, fibroblasts and endothelial cells. IL-8 is an inflammatory cytokine which functions as a neutrophil chemoattractant and activating factor. It also attracts basophils and a subpopulation of lymphocytes.

### Applications Reported

Recombinant human IL-8 is biologically active.

### Applications Tested

This recombinant human IL-8 has been tested in bioassays for chemoattractant activity, with maximal activity between 10-100 ng/ml.

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