

Recombinant Human IL-8/CXCL8 Protein

Catalog Number:PKSH032656



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms

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;GCP1;IL8;Interleukin-8;LECT;LUCT;LYNAP;MDNCF;MONAP;NAF;NAP-1;NAP1

Species

Human

Expression Host

E.coli

Sequence

Ser28-Ser99

Accession

P10145

Calculated Molecular Weight

9.3 kDa

Observed molecular weight

11 kDa

Tag

C-His

Bioactivity

Measure by its ability to chemoattract PBMC. The ED₅₀ for this effect is < 2 ng/mL.

Properties

Purity

> 98 % as determined by reducing SDS-PAGE.

Endotoxin

< 0.1 EU per µg of the protein as determined by the LAL method.

Storage

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping

This product is provided as lyophilized powder which is shipped with ice packs.

Formulation

Lyophilized from sterile PBS,pH 8.0.

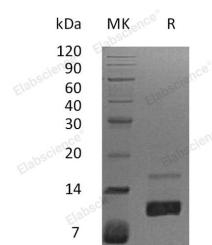
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution

Please refer to the printed manual for detailed information.

Data



> 98 % as determined by reducing SDS-PAGE.

Background

Interleukin-8 (IL-8) belongs to the neutrophil-specific CXC family of chemokines. It is one of the initial cytokines

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released from a variety of cell types; including T cells; endothelial cells and fibroblasts; in response to an inflammatory stimulus and acts by recruiting neutrophils; T-cells and basophils to the site of inflammation. Elevated Interleukin-8 levels are associated with the onset of a variety of disease states.

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