

Recombinant Human IL-8/CXCL8/GCP-1 Protein

Catalog No.: RP00052 Recombinant 1 Publications

Sequence Information

Species Gene ID Swiss Prot Human 3576 P10145

Tags

No tag

Synonyms

CXCL8;GCP-1;GCP1;IL8;LECT;LUCT;LYNA P;MDNCF;MONAP;NAF;NAP-1;NAP1

Product Information

Source Purification
E. coli ≥ 95 % as
determined by SDSPAGE.

Calculated MW Observed MW

8.92 kDa 10 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

The protein is a member of the CXC chemokine family. This chemokine is one of the major mediators of the inflammatory response. This chemokine is secreted by several cell types. It functions as a chemoattractant, and is also a potent angiogenic factor. This gene is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection.

Basic Information

Description

Recombinant Human IL-8/CXCL8/GCP-1 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ala23-Ser99) of human IL-8 (Accession #NP_000575.1).

Bio-Activity

Measured by its ability to enhance Bcl2 expression in HCT116 human colon adenocarcinoma cells. 0.01-1ng/mL of Recombinant Human IL-8 can effectively enhance Bcl2 expression.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20° C. Store the lyophilized protein at -20° C to -80° C up to 1 year from the date of receipt.

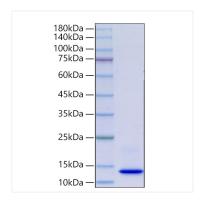
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

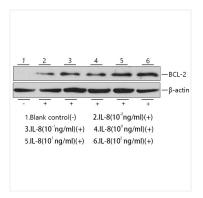
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human IL-8/CXCL8/GCP-1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Human IL-8 enhances Bcl2 expression in HCT116 human colon adenocarcinoma cells.0.01-1ng/mL of Recombinant Human IL-8 can effectively enhance Bcl2 expression.