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

Catalog No.: RP00052

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Sequence Information

Species
Human

Gene ID
3576

Swiss Prot
P10145

Tags
No tag

Synonyms
CXCL8,GCP-1,GCP1,IL8,LECT, LUCT,LYNAP,MDNCF,MONAP,NAF, NAP-1,NAP1

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
8.92 kDa

Observed MW
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.

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).

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
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

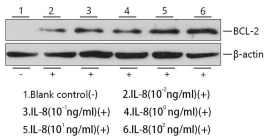
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

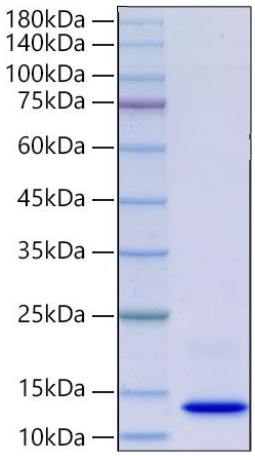
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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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.



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