

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

Catalog No.: RP00052 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3576	P10145

Tags

No tag

Synonyms

CXCL8;GCP-1;LECT;LUCT;LYNAP;MDNCF;MONAP;NAF;NAP-1;NAP1

Product Information

Source	Purification
<i>E. coli</i>	> 97% by SDS-PAGE.

Endotoxin

< 1.0 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 stabilizer (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).

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.

Storage

Store the lyophilized protein at -20°C to -80 °C for long term. 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.

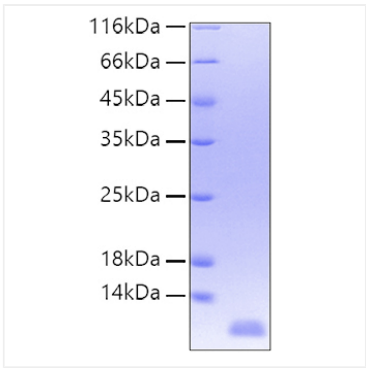
Contact

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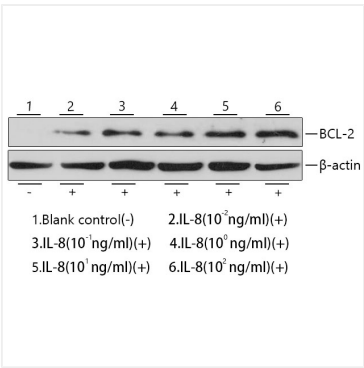
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Validation Data



Recombinant Human IL-8/CXCL8/GCP-1
Protein was determined by SDS-PAGE with
Coomassie Blue, showing a band at 10 kDa.



Recombinant Human IL-8 enhances Bcl2
expression in HCT116 human colon
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