

# 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;GCP1;IL8;LECT;LUCT;LYNA  
P;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.

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## 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).

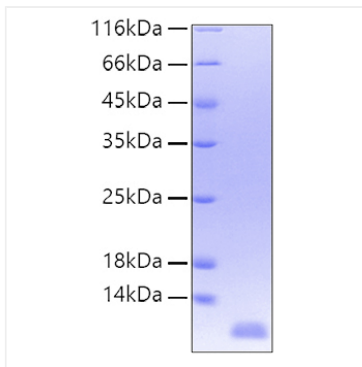
### Bio-Activity

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.

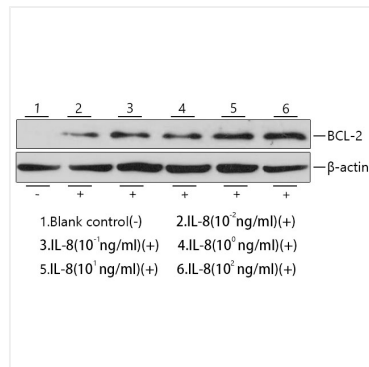
### Storage

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.

## Validation Data



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



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