

# Recombinant Human PF-4/CXCL4/SCYB4 Protein

Catalog No.: RP01136 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	5196	P02776

### Tags

No tag

### Synonyms

CXCL4; PF-4; SCYB4;PF4;PF-4;SCYB4

## Product Information

Source	Purification
<i>E. coli</i>	> 80 % by SDS-PAGE.

### Endotoxin

Please contact us for more information.

### Formulation

Lyophilized from a 0.22 µm filtered solution 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

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## Background

This protein is a member of the CXC chemokine family. This chemokine is released from the alpha granules of activated platelets in the form of a homotetramer which has high affinity for heparin and is involved in platelet aggregation. This protein is chemotactic for numerous other cell type and also functions as an inhibitor of hematopoiesis, angiogenesis and T-cell function. The protein also exhibits antimicrobial activity against *Plasmodium falciparum*.

## Basic Information

### Description

Recombinant Human CXCL4/PF-4 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Glu32-Ser101) of human CXCL4 (Accession #NP\_002610.1).

### Bio-Activity

#### Storage

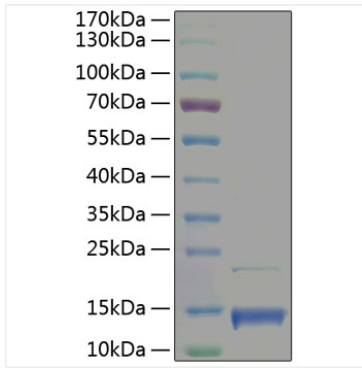
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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.

## Validation Data

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Recombinant Human CXCL4/PF-4 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 7.8 kDa.