

# Recombinant Mouse CXCL4/PF-4 Protein

Catalog No.: RP01953 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	56744	Q9Z126

### Tags

C-His

### Synonyms

Pf4; Cxcl4; Scyb4; Platelet factor 4; PF-4; C-X-C motif chemokine 4

## Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

Calculated MW	Observed MW
9.05 kDa	15-20 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.

### 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

Platelet factor-4 is a 70-amino acid protein that is released from the alpha-granules of activated platelets and binds with high affinity to heparin. Its major physiologic role appears to be neutralization of heparin-like molecules on the endothelial surface of blood vessels, thereby inhibiting local antithrombin III activity and promoting coagulation. As a strong chemoattractant for neutrophils and fibroblasts, PF4 probably has a role in inflammation and wound repair.

## Basic Information

### Description

Recombinant Mouse CXCL4/PF-4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val30-Ser105) of Mouse CXCL4/PF-4 (Accession #NP\_064316.1) fused with a His tag at the C-terminus.

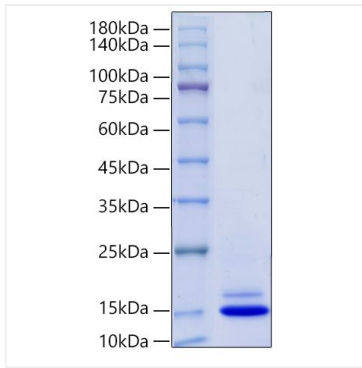
### Bio-Activity

#### 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 Mouse CXCL4/PF-4 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15-20 kDa.