

Recombinant Human CXCL4/PF-4 Protein

Catalog No.: RP01774 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5196	P02776

Tags

C-His

Synonyms

PF-4; CXCL4; SCYB4

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
8.61 kDa	10-15 kDa

Endotoxin

<0.1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of 10 mM Sodium Citrate, 150 mM NaCl, pH 5.0.

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 freeze-thaw cycles.

Contact

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Background

CXCL4, or Platelet factor 4 (PF4), is a small cytokine belonging to 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. CXCL4 is chemotactic for neutrophils and monocytes and also functions as an inhibitor of hematopoiesis, angiogenesis and T-cell function. CXCL4/PF4 is up-regulated in human liver fibrosis and that it plays a nonredundant, functional role in experimental liver fibrosis by mediating stellate cell proliferation, migration, and intrahepatic immune cell recruitment.

Basic Information

Description

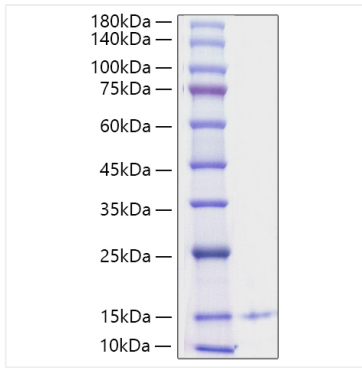
Recombinant Human CXCL4/PF-4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu32-Ser101) of human PF-4/CXCL4/SCYB4 (Accession #NP_002610.1) fused with and a 6×His tag at the C-terminus.

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



Recombinant Human PF-4/CXCL4/SCYB4 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 10-15 kDa.