

Recombinant Human CXCL4/PF4 Protein

Catalog No.: RP00432 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5196	P02776

Tags

C-6xHis

Synonyms

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

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein belongs 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/PF4 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Glu32-Ser101) of human CXCL4/PF4 (Accession #P02776) fused with a 6xHis tag at the C-terminus.

Bio-Activity

Measured by its ability to inhibit human bFGF / FGF2 dependent proliferation of Balb/c3T3 mouse fibroblasts. The ED₅₀ for this effect is typically 5-40 μg/mL.

Storage

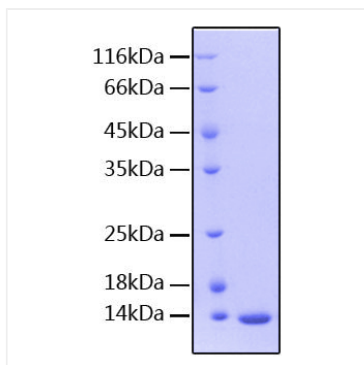
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact



| www.abclonal.com

Validation Data



Recombinant protein Human CXCL4/PF4 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 8 kDa.