

PF 4, human platelets recombinant protein
CXCL4, PF-4, PF4, Iroplact, Oncostatin-A, SCYB4, MGC138298.
Catalog # PBV10246r

Specification

PF 4, human platelets recombinant protein - Product info

Primary Accession [P02776](#)
Calculated MW **7.8 kDa** KDa

PF 4, human platelets recombinant protein - Additional Info

Gene ID	5196
Gene Symbol	PLF4
Other Names	
CXCL4, PF-4, PF4, Iroplact, Oncostatin-A, SCYB4, MGC138298.	
Gene Source	Human
Source	Human platelets
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC; ≥95%
Recombinant	No
Sequence	The sequence of the first four N-terminal amino acids was determined and was found to be Glu-Ala-Glu-Glu.

Target/Specificity

PF 4

Application Notes

Reconstitute in sterile ddH₂O to a concentration ≥ 100 µg/ml. This solution can then be diluted into other aqueous buffers.

Format

Lyophilized protein

Storage

-20°C; Lyophilized from PBS buffer, pH 7.4.

PF 4, human platelets recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

PF 4, human platelets recombinant protein - Images**PF 4, human platelets recombinant protein - 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. Oncostatin-A is a member of the CXC chemokine family. Human PF4 is used for the proof of heparin-induced thrombocytopenia. Furthermore it is used as an inhibitor in the angiogenesis during tumor therapy. Human PF-4 a 7.8 kDa protein consisting of 70 amino acid residues.

PF 4, human platelets recombinant protein - References

Poncz M.,et al.Blood 69:219-223(1987).
Eisman R.,et al.Blood 76:336-344(1990).
Zhang C.,et al.Blood 98:610-617(2001).
Ebert L.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 434:724-731(2005).