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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 ddH_2O 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 Cytomety

- 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

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Hillier L.W.,et al.Nature 434:724-731(2005).