9051 Mira Mesa Blvd, #910094
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PF 4 Protein

Platelet Factor-4 Human (CXCL4)
CHK0147

Product Overview

Name	PF 4 Protein
Description	
Platelet Factor-4 Human (CXCL4)	
Accession (Primary)	P02776
Synonyms	
CXCL4, PF-4, PF4, Iroplact, Oncostatin-A, SCYB4, MGC138298.	
Introduction	
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.	
Source	
Human Platelets.	
Physical Appearance	
Sterile Filtered white lyophilized powder.	
Formulation	
The CXCL4 protein was lyophilized in PBS buffer pH-7.4.	
Stability	
Human CXCL4 although stable at 25°C 1 week, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
The sequence of the first four N-terminal amino acids was determined and was found to be Glu-Ala-Glu-Glu.	
Solubility	
It is recommended to reconstitute the lyophilized CXCL4 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can	

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then be further diluted to other aqueous solutions.

Activity Control

Binding of HIT-antibodies.

Precautions

PF 4 Protein is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02776)