9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PF4 Human, His

Platelet Factor-4 Human Recombinant (CXCL4), His Tag
CHK0149

Product Overview

Name	PF4 Human, His
Description	
Platelet Factor-4 Human Recombinant (CXCL4), His Tag	
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	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless clear solution.	
Formulation	
PF4 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M EAEEDGDLQ CLCVKTTSQV RPRHITSLEV IKAGPHCPTA QLIATLKNGR KICLDLQAPL YKKIIKKLLE S.	
Precautions	

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PF4 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02776)