9051 Mira Mesa Blvd, #910094
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PF 4 Human

Platelet Factor-4 Human Recombinant (CXCL4)
CHK0145

Product Overview

Name	PF 4 Human
Description	
Platelet Factor-4 Human Recombinant (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. Its major physiologic role appears to be neutralization of 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. Furthermore it is used as an inhibitor in the angiogenesis during tumor therapy.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered white lyophilized powder.	
Formulation	
The CXCL4 protein was filtered (0.2 µm) and lyophilized from a concentrated solution containing 20mM PB and 1.5M NaCl, pH 7.4.	
Stability	
Lyophilized CXCL4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL4 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
EAEEDGDLQC LCVKTTSQVR PRHITSLEVI KAGPHCPTAQ LIATLKNGRK ICLDLQAPLY	
Biological Activity	

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The biological activity determined by a chemotaxis bioassay using human fibroblasts is in a concentration of 1.0-10 ng/ml.

Solubility

It is recommended to reconstitute the lyophilized CXCL4 in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

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

Target Information: (P02776)