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

PF4 Bovine

Platelet Factor-4 (CXCL4) Bovine Recombinant
CHK0148

Product Overview

Name	PF4 Bovine
Description	
Platelet Factor-4 (CXCL4) Bovine Recombinant	
Accession (Primary)	P02777
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.PF4's 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 (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB and 500mM NaCl, pH 7.0.	
Stability	
Lyophilized CXCL4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Platelet Factor-4 should be stored at 4°C between 2-7 days and for future use 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	
ESSFPATFVP LPADSEGGED EDLQCVCLKT TSGINPRHIS SLEVIGAGTH CPSPQLLATK KTGRKICLDQ QRPLYKKILK KLLDGDES.	
Biological Activity	

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The biological activity determined by a chemotaxis bioassay using human neutrophils is 10-100ng/ml.

Solubility

It is recommended to reconstitute the lyophilized Platelet Factor-4 in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

PF4 Bovine is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02777)