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

PF 4 Mouse

Platelet Factor-4 Mouse Recombinant (CXCL4)
CHK0146

Product Overview

Name	PF 4 Mouse
Description	
Platelet Factor-4 Mouse Recombinant (CXCL4)	
Accession (Primary)	Q9Z126
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 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 chemocinfamily.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered white lyophilized powder.	
Formulation	
The Mouse CXCL4 protein was lyophilized from a 0.2 μm filtered concentrated solution in 20mM PB, pH 7.4 and 1.5M NaCl.	
Stability	
Lyophilized CXCL4 Mouse Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Mouse 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	
VTSAGPEESD GDLSCVCVKT ISSGIHLKHI TSLEVIKAGR HCAVPQLIAT LKNGRKICLD RQAPLYKKVI KKILES.	
Biological Activity	

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Determined by its ability to chemoattract human neutrophils using a concentration range of 10-100ng/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 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9Z126)