

Active Native Human PF 4

Cat. No. PLF4-88H Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Human Platelets
Description	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. Human PF-4 a 7.8 kDa protein consisting of 70 amino acid residues
Form	Lyophilized protein
Bio-activity	Binding of HIT-antibodies
Molecular Mass	7.8 kDa
AA Sequence	The sequence of the first four N-terminal amino acids was determined and was found to be Glu-Ala-Glu-Glu

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Purity	Purity by SDS-PAGE: ≥95%; Purity by HPLC: ≥95%
Usage	For Research Use Only! Not For Use in Humans.
Notes	Centrifuge the vial prior to opening
Storage	-20°C
Storage Buffer	Lyophilized from PBS buffer, pH 7.4
Reconstitution	Reconstitute in sterile ddH ₂ O to a concentration ≥ 100 µg/ml. This solution can then be diluted into other aqueous buffers
Shipping	Gel pack

GENE INFORMATION

Gene Name	PF4 platelet factor 4 [Homo sapiens]
Official Symbol	PLF4
Synonyms	PF-4; CXCL4; SCYB4; platelet factor 4; iroplact; oncostatin-A; C-X-C motif chemokine 4; chemokine (C-X-C motif) ligand 4
Gene ID	5196
mRNA Refseq	NM_002619
Protein Refseq	NP_002610
MIM	173460

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UniProt ID	P02776
Chromosome Location	4q12-q21
Pathway	CXCR3-mediated signaling events, organism-specific biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Common Pathway, organism-specific biosystem
Function	CXCR3 chemokine receptor binding; chemokine activity

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