Product Data Sheet

Product Name:	PF 4 Protein
Cat. No.:	GP21197
Batch No.:	1

Product Data

Purity	>98%	Source	Human Platelets.
Phycical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	CXCL4; PF-4; PF4; Iroplact; Oncostatin-A; SCYB4; MGC138298.		
Amino Acid Sequence	The sequence of the first four N-terminal amino acids was determined and was found to be Glu-Ala-Glu-Glu.		
Solubility	It is recommended to reconstitute the lyophilized CXCL4 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The CXCL4 protein was lyophilized in PBS buffer pH-7.4.		

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.

Stability

Human CXCL4 although stable at 25°C 1 week, should be stored desiccated below -18°C . Please prevent freeze-thaw cycles.

Background

Human PF-4 a 7.8 kDa protein consisting of 70 amino acid residues.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA