
Product Data Sheet

Product Name: PF4 Human, His
 Cat. No.: GP21200
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CXCL4; PF-4; PF4; Iroplact; Oncostatin-A; SCYB4; MGC138298.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MEAEEDGDLQ CLCVKTTTSQV RPRHITSLEV IKAGPHCPTA QLIATLKNR KICLDLQAPL YKKIIKKLLLE S.		
Formulation	PF4 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.		

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

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

Background

PF4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 91 amino acids (32-101 a.a) and having a molecular mass of 10kDa. PF4 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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chromatographic techniques.

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