CXCL4/ PF-4 (C-6His), Human, Recombinant

货号：PCK126

产品信息

别名	Platelet Factor 4; PF-4; C-X-C Motif Chemokine 4; Iroplact; Oncostatin-A; PF4; CXCL4; SCYB4
物种	Human
表达宿主	Human Cells
序列信息	Glu32-Ser101
检索号	P02776
分子量	8.8 kDa
标签	C-6His

产品特性

纯度	>95% as determined by reducing SDS-PAGE.
内毒素	<1.0 EU per μg as determined by LAL test.
保存	Lyophilized protein should be stored at -5~-20℃, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20℃ for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 5% Trehalose, 5% Mannitol, 1mM EDTA, 0.02% Tween 80,

复融	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 μg/ml.Dissolve the lyophilized protein in distilled water.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

背景介绍

Human Chemokine (C-X-C Motif) Ligand 4 (CXCL4) is expressed in megakaryocytes and stored in the alpha-granules of platelets. CXCL4 contains several heparin-binding sites at the C-terminal region and binds heparin with high affinity. The active CXCL4 Protein is a tetramer. Human and mouse CXCL4 share 64% sequence identity. CXCL4 is chemotactic for neutrophils, fibroblasts and monocytes and plays a critical role in inflammation and wound repair. CXCL4 functions via a splice variant of the Chemokine Receptor CXCR3, known as CXCR3B. The major physiologic role of CXCL4 appears to be neutralization of heparin-like molecules on the endothelial surface of blood vessels, thereby inhibiting local antithrombin III activity and promoting coagulation. In contrast to other CXC Chemokines, CXCL4 lacks chemotactic activity for polymorphonuclear granulocytes.

SDS-PAGE