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Datasheet for ABIN7318356 PF4 Protein (His tag)

Overview

Quantity:	50 µg
Target:	PF4
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PF4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CXCL4/PF4 Protein (His Tag)
Sequence:	Glu32-Ser101
Characteristics:	Recombinant Human C-X-C Motif Chemokine 4/Platelet Factor 4 is produced by our Mammalian expression system and the target gene encoding Glu32-Ser101 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PF4
Alternative Name:	CXCL4/PF4 (PF4 Products)
Background:	Background: 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-

Target Details

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.

Synonym: Platelet Factor 4, PF-4, C-X-C Motif Chemokine 4, Iroplact, Oncostatin-A, PF4, CXCL4, SCYB4

Molecular Weight: 8.5 kDa

UniProt: [P02776](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.