

Recombinant Human platelet factor 4, His-tagged

Cat. No. PF4-590H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CXCL4, 32-101aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	32-101 a.a.
Description	CXCL4 is a member of the CXC chemokine family. This chemokine is released from the alpha granules of activated platelets in the form of a homotetramer which has high affinity for heparin and is involved in platelet aggregation. This protein is chemotactic for numerous other cell type and also functions as an inhibitor of hematopoiesis, angiogenesis and T-cell function. Recombinant human CXCL4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT
Molecular Mass	10.0 kDa (91aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MEAEEDGDLQ CLCVKTTTSQV RPRHITSLEV IKAGPHCPTA QLIATLKNR KICLDLQAPL YKKIIKKLLE S
Purity	>85% by SDS - PAGE

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Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	PF4 platelet factor 4 [Homo sapiens]
Official Symbol	PF4
Synonyms	PF4; platelet factor 4; chemokine (C X C motif) ligand 4; CXCL4; SCYB4; iroplact; oncostatin-A; C-X-C motif chemokine 4; chemokine (C-X-C motif) ligand 4; PF-4; MGC138298;
Gene ID	5196
mRNA Refseq	NM_002619
Protein Refseq	NP_002610
MIM	173460
UniProt ID	P02776
Chromosome Location	4q12-q21
Pathway	CXCR3-mediated signaling events, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway,

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organism-specific biosystem; Chemokine signaling pathway, conserved biosystem;
Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Common
Pathway, organism-specific biosystem;

Function

chemokine activity; heparin binding;

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