

Recombinant Human PF4V1, His-tagged

Cat. No. PF4V1-162H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PF4V1, 31-104aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	31-104aa
Description	PF4V1 belongs to the intercrine alpha (chemokine CxC) family. It is a inhibitor of angiogenesis and inhibitor of endothelial cell chemotaxis(in vitro). Binding to heparin is much weaker than in the close homolog PF4/CXCL4. Recombinant human PF4V1 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, 1mM DTT.
Molecular Mass	10.6 kDa (97aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSFARAEAE EDGDLQCLCV KTTSQVRPRH ITSLEVIKAG PHCPTAQLIA TLKNGRKICL DLQALLYKKI IKEHLES
Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store

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at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [PF4V1 platelet factor 4 variant 1 \[Homo sapiens \]](#)

Official Symbol PF4V1

Synonyms PF4V1; platelet factor 4 variant 1; platelet factor 4 variant; CXCL4L1; CXCL4V1; SCYB4V1; PF4alt; PF4var1; C-X-C motif chemokine 4; platelet factor 4, variant 1 (PF4-like); PF4A; PF4-ALT;

Gene ID [5197](#)

mRNA Refseq [NM_002620](#)

Protein Refseq [NP_002611](#)

MIM [173461](#)

UniProt ID [P10720](#)

Chromosome Location 4q12-q21

Pathway Cell surface interactions at the vascular wall, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Common Pathway, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-

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cytokine receptor interaction, conserved biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem;

Function

chemokine activity; heparin binding;

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