

Recombinant Human Lin-28 Homolog A (*C. elegans*), His-tagged

Cat. No. PF4V1-257H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CXCL4 Variant-1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 77 amino acids and having a molecular mass of 8.7 kDa. The CXCL4 Variant-1 is fused to 6xHis tag at N-Terminus and purified by standard chromatography techniques.
Species	Human
Source	Human
Description	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 chemocin 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.
Form	The protein was lyophilized without additives.
Purity	Greater than 95.0% as determined by SDS-PAGE.
Physical Appearance	Sterile Filtered white lyophilized powder.

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Amino acid sequence	MHHHHHHEAE EDGDLQCLCV KTTSQVRPRH ITSLEVIKAG PHCPTAQLIA TLKNGRKICL DLQALLYKKI IKEHLES.
Storage	Human CXCL4 although stable at 25°C 1 week, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.
Pathways	Cell surface interactions at the vascular wall; Chemokine signaling pathway; Common Pathway; Cytokine-cytokine receptor interaction; Formation of Fibrin Clot (Clotting Cascade); Hemostasis

GENE INFORMATION

Gene Name	PF4V1 platelet factor 4 variant 1 [Homo sapiens]
Official Symbol	PF4V1
Synonyms	PF4V1; platelet factor 4 variant 1; PF4A; CXCL4L1; CXCL4V1; PF4-ALT; SCYB4V1; platelet factor 4 variant; PF4alt; PF4var1; OTTHUMP00000160680; C-X-C motif chemokine 4; platelet factor 4, variant 1 (PF4-like); PF4var1; C-X-C motif chemokine 4 variant
Gene ID	5197
mRNA Refseq	NM_002620
Protein Refseq	NP_002611
MIM	173461
UniProt ID	P10720

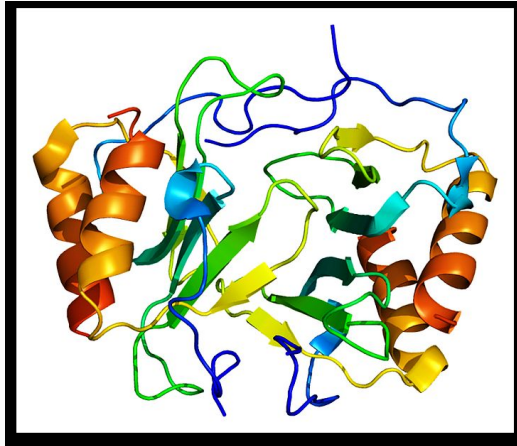
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Chromosome Location	4q12-q21
Function	chemokine activity; heparin binding

PDB rendering based on 1f9q.



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