

Product datasheet for **TP727242**

PF4 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human C-X-C Motif Chemokine 4/CXCL4/PF4 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Glu32-Ser101
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mMPB,150mMNaCl,1mMEDTA,pH7.4.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	5196
UniProt ID:	P02776
Summary:	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.



[View online »](#)