

Product datasheet for **TP723362**

PF4 (NM_002619) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human platelet factor 4 (PF4).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	EAEEDGDLQC LCVKTSQVR PRHITSLEVI KAGPHCPTAQ LIATLKNGRK ICLDLQAPLY KKIHKLLLES
Tag:	Tag Free
Predicted MW:	7.8 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to chemoattract human fibroblasts using a concentration range of 1.0-10.0 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002610
Locus ID:	5196
UniProt ID:	P02776
RefSeq Size:	878
Cytogenetics:	4q13.3
RefSeq ORF:	303
Synonyms:	CXCL4; PF-4; SCYB4



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Summary:

This gene encodes 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. The protein also exhibits antimicrobial activity against Plasmodium falciparum. [provided by RefSeq, Oct 2014]

Protein Families:

Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways:

Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Product images: