

## Product datasheet for **TP311322**

### PF4 (NM\_002619) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human platelet factor 4 (PF4), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211322 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MSSAAGFCASRPGLLFLGLLLLPLVAFASAEAEEDGDLQCLCVKTTTSQVRPRHITSLEVIKAGPHCPTA QLIATLKNRKRKICLDLQAPLYKKIIKLLES
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	10.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Cell treatment (PMID: <a href="#">28120850</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_002610</a>
Locus ID:	5196
UniProt ID:	<a href="#">P02776</a>
RefSeq Size:	878



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Cytogenetics: 4q13.3

RefSeq ORF: 303

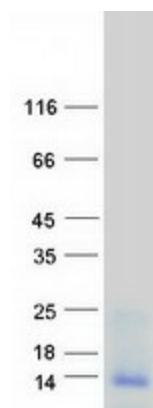
Synonyms: CXCL4; PF-4; SCYB4

**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:



Coomassie blue staining of purified PF4 protein (Cat# TP311322). The protein was produced from HEK293T cells transfected with PF4 cDNA clone (Cat# [RC211322]) using MegaTran 2.0 (Cat# [TT210002]).