

## **Product datasheet for TP320116**

## OriGene Technologies, Inc.

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## PF4V1 (NM\_002620) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human platelet factor 4 variant 1 (PF4V1), 20 μg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC220116 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MSSAARSRLTRATRQEMLFLALLLLPVVVAFARAEAEEDGDLQCLCVKTTSQVRPRHITSLEVIKAGPHC

PTAQLIATLKNGRKICLDLQALLYKKIIKEHLES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

**Predicted MW:** 11.4 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

**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:** NP 002611

 Locus ID:
 5197

 UniProt ID:
 P10720

 RefSeq Size:
 741

**Cytogenetics:** 4q13.3





RefSeq ORF: 312

Synonyms: CXCL4L1; CXCL4V1; PF4-ALT; PF4A; SCYB4V1

**Summary:** The protein encoded by this gene is a chemokine that is highly similar to platelet factor 4. The

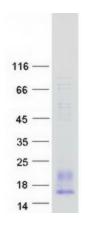
> encoded protein displays a strong antiangiogenic function and is regulated by chemokine (C-X-C motif) receptor 3. This protein also impairs tumor growth and can protect against blood-

retinal barrier breakdown in diabetes patients. [provided by RefSeq, Nov 2015]

**Protein Families:** Secreted Protein

**Protein Pathways:** Chemokine signaling pathway, Cytokine-cytokine receptor interaction

## **Product images:**



Coomassie blue staining of purified PF4V1 protein (Cat# TP320116). The protein was produced from HEK293T cells transfected with PF4V1 cDNA clone (Cat# [RC220116]) using MegaTran 2.0 (Cat# [TT210002]).