

## **Product datasheet for RG220116**

# PF4V1 (NM 002620) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: PF4V1 (NM 002620) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: PF4V1

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

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG220116 representing NM\_002620

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACAAGAAAATCATTAAGGAACATTTGGAGAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG220116 representing NM\_002620

Red=Cloning site Green=Tags(s)

MSSAARSRLTRATROEMLFLALLLLPVVVAFARAEAEEDGDLQCLCVKTTSQVRPRHITSLEVIKAGPHC

PTAQLIATLKNGRKICLDLQALLYKKIIKEHLES

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



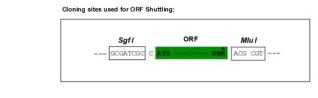
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

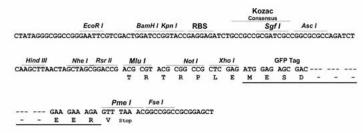
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

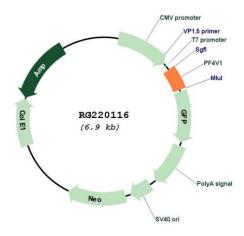


#### **Cloning Scheme:**





#### Plasmid Map:



**ACCN:** NM\_002620

ORF Size: 312 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info



### PF4V1 (NM\_002620) Human Tagged ORF Clone - RG220116

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

**RefSeq:** <u>NM 002620.4</u>

 RefSeq Size:
 755 bp

 RefSeq ORF:
 315 bp

 Locus ID:
 5197

 UniProt ID:
 P10720

 Cytogenetics:
 4q13.3

**Protein Families:** Secreted Protein

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

**Gene 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]