

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 Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG220116 representing NM_002620
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTCCGCAGCCAGGTCCCGCTCACCCGCGCCACCCGCCAGGAGATGCTGTTCTTGGCGTTGCTGC
 TCCTGCCAGTTGTGGTCGCCTTCGCCAGAGCTGAAGCTGAAGAAGATGGGGACCTGCAGTGCCTGTGTG
 GAAGACCACCTCCAGGTCCGTCAGGCACATCACCAGCCTGGAGGTGATCAAGCCGGACCCCACTGC
 CCCACTGCCAACTCATAGCCACGCTGAAGAATGGGAGGAAAATTTGCTTGGATCTGCAAGCCCTGCTGT
 ACAAGAAAATCATTAAAGGAACATTTGGAGAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG220116 representing NM_002620
 Red=Cloning site Green=Tags(s)
 MSSAARSRLTRATRQEMFLALLLLPPVVVAFARAEAEEDGDLQCLCVKTTSQVRPRHITSLEVIKAGPHC
 PTAQLIATLKNRGIKLDLQALLYKKIIEKHLES

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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|-------------------------------|---|
| 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: | <ol style="list-style-type: none">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: | NM_002620.4 |
| 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] |