

Product datasheet for **SC303229**

PF4V1 (NM_002620) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PF4V1 (NM_002620) Human Untagged Clone
Tag:	Tag Free
Symbol:	PF4V1
Synonyms:	CXCL4L1; CXCL4V1; PF4-ALT; PF4A; SCYB4V1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002620 edited GGGATCCTGCTGGAACCTCAGCTGCAACATGAGCTCCGCAGGTCCTCCGCCTCACCCG CGCCACCCGCCAGGAGATGCTGTTCTTGGCGTTGCTGCTCCTGCCAGTTGTGGTCGCCTT CGCCAGAGCTGAAGCTGAAGAAGATGGGGACCTGCAGTGCCTGTGTGAAGACCACCTC CCAGGTCCGTCCAGGCACATCACCCAGCCTGGAGGTGATCAAGGCCGGACCCCACTGCC CACTGCCCAACTCATAGCCACGCTGAAGAATGGGAGGAAAATTTGCTTGGATCTGCAAGC CCTGCTGTACAAGAAAATCATTAAAGGAACATTTGGAGAGTTAGCTACTAGCTGCCTAAGT GTGCACTTTCAA
Restriction Sites:	Please inquire
ACCN:	NM_002620
Insert Size:	400 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



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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: [NM_002620.1](#), [NP_002611.1](#)

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]