

Product datasheet for **SC303228**

PF4 (NM_002619) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PF4 (NM_002619) Human Untagged Clone
Tag: Tag Free
Symbol: PF4
Synonyms: CXCL4; PF-4; SCYB4
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002619 edited
 CCGCAGCATGAGCTCCGACGCCGGTTCTGCGCCTCACGCCCCGGGCTGCTGTTCTCTGGG
 GTTGCTGCTCCTGCCACTTGTGGTCGCCTTCGCCAGCGCTGAAGCTGAAGAAGATGGGGA
 CCTGCAGTGCCTGTGTGAAGACCACCTCCCAGGTCCGTCCCAGGCACATCACCAGCCT
 GGAGGTGATCAAGGCCGACCCCACTGCCCACTGCCCACTGATAGCCACGCTGAAGAA
 TGGAAAGAAAATTTGCTTGGACCTGCAAGCCCGCTGTACAAGAAAATAATTAAGAAACT
 TTTGGAGAGTTAGCTACTAGCTGCCTACGTGTGTGCATTTGCTATA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_002619 unedited
 CGTTCNAATATTTGTATACGACTCATATAGGCGCCGCGNATTCGCCCTTAGCATGAGCT
 CCGCAGCCGGGTTCTGCGCCTCACGCCCCGGGCTGCTGTTCTGGGGTTGCTGCTCCTGC
 CACTTGTGGTCGCCTTCGCCAGCGCTGAAGCTGAAGAAGATGGGGACCTGCAGTGCCTGT
 GTGTGAAGACCACCTCCCAGGTCCGTCCCAGGCACATCACCAGCCTGGAGGTGATCAAGG
 CCGGACCCCACTGCCCACTGCCCACTGATAGCCACGCTGAAGAATGGAAGAAAATTT
 GCTTGGACCTGCAAGCCCGCTGTACAAGAAAATAATTAAGAAACTTTTGGAGAGTTAGC
 TACTAGCTGCCTACGTGTGTGCATTTGCTATAAGGGCGAATTCAGATCTGGTACCGATAT
 CAAGCTTGTGACTCTAGATTGCGGCCGCGGTTCATAGCTGTTTCTGAACAGATCCCGGG
 TGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTG
 CCCACCAGCCTTGTCTAATAAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCTTCT
 TATAATATTATGGNGTGGAGGGGGTGGGTATGGAGCAAGGGGCAAGTTGGGAAAGACAC
 CTGTAGGGCCCTGCGGGTCTATTGGGAACCAAGCTGGAGTGCAGTGGCACAATCTTGGCT
 CACTGCAATCTCCGNCTNCTGGTTCAAGCGATTCTTCTGCCTCAGCCTCCCGNATTTGT
 TGGGATCCAAGCATGCCTGACCAGGCTCAGCTAAATTTTGGTTTTTGGGAAAGACGGG
 GTTTCACCATATTGGCCAGCCTGGTCTTCAACTCCTAATCTCAGGTGATCTACCCACCTT
 GGGTCCCAAATG



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002619 unedited AGNAAAGCACTGGGGNAGGGTCACAGGGATGCCACCCGGGATCTGTTTCAGGAAACAGCTA TGACCCGGCCGCAATCTAGAGTCGACAAGCTTGATATCGGTACCAGATCTGAATTCGCC CTTATAGCAAATGCACACACGTAGGCAGCTAGTAGCTAACTCTCCAAAAGTTTCTTAATT ATTTTCTGTACAGCGGGGCTTGCAGGTCCAAGCAAATTTTCTTCCATTCTTCAGCGTG GCTATCAGTTGGGCAGTGGGGCAGTGGGGTCCGGCCTTGATCACCTCCAGGCTGGTGATG TGCCCTGGGACGGACCTGGGAGGTGGTCTTCACACACAGGCACTGCAGGTCCCCATCTTCT TCAGCTTCAGCGCTGGCGAAGGGCACCACAAGTGGCAGGAGCAGCAACCCAGGAACAGC AGCCCGGGCGTGAGGCGCAGAACCCTGGCTGCGGAGCTCATGCTAAGGGCGAATTCGCGG CCGCCCTATAGTGAGTCGTATTACAAAATTCTGACGGTCACTAAACGAGCTCTGCTTAT ATAGACCTCCCACGTACACGCCTACCGCCATTTGCGTCAACGGGGCGGGTTATTACG ACATTTTGAAAGTCCCCTTGATTTTGGTGCCAAAACAACTCCCATTGACGTCAATGGG GTGGAGACTTGAAAATCCCCTGAGTCAAACCGCTATCCACGCCATTGGTGTACTGCCA AAACCGCATCACCATGGTAATAGCGATGACTAATACGTAGATGTACTGCCAAGTAGGAAA GTCCCGTAAAGTCATGTACTGGGCATAATGCCAGGCGGNCCATTTACCGTCATTGACGTC AATANGGGCGGNACTGGNCATATGATACACT
Restriction Sites:	Please inquire
ACCN:	NM_002619
Insert Size:	350 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_002619.1</u> , <u>NP_002610.1</u>
RefSeq Size:	439 bp
RefSeq ORF:	306 bp
Locus ID:	5196
UniProt ID:	<u>P02776</u>
Cytogenetics:	4q13.3
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways:

Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Gene 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]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.