

## Product datasheet for **SC325124**

### Properdin (CFP) (NM\_001145252) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Properdin (CFP) (NM_001145252) Human Untagged Clone
Tag:	Tag Free
Symbol:	Properdin
Synonyms:	BFD; PFC; PFD; PROPERDIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC325124 representing NM\_001145252.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGATCACAGAGGGAGCGCAGGCCCTCGATTGTTGCTGCCGCCGCTGCTCCTGCTGCTCACCTGCCA
GCCACAGGCTCAGACCCCGTCTGCTTCAACCAGTATGAAGAATCCTCCGGCAAGTCAAGGGCCTC
CTGGGGGGTGGTGTACAGGTGGAAGACTGCTCTCAACACTGCCTTTGCCTACCAGAAACGTAGTGGT
GGGCTCTGTACGCCTGCAGGTCCACAGTGGTCCCTGTGGTCCACATGGGCCCCCTGTTCCGTGACG
TGCTCTGAGGGCTCCCAGCTGCGGTACCGCGCTGTGTGGCTGGAATGGGCAGTCTCTGGAAAGGTG
GCACCTGGGACCTGGAGTGGCAGCTCCAGGCCTGTGAGGACCAGCAGTCTGTCTGAGATGGGCGGC
TGGTCTGGCTGGGGCCCTGGGAGCCTTGTCTGTACCTGTCCAAAGGGACCCGGACCCGCAGGCGA
GCCTGTAATCACCTGTCCCAAGTGTGGGGCCACTGCCAGGACAGGCACAGGAATCAGAGGCCTGT
GACACCCAGCAGGTCTGCCCCACACAGGGCCCTGGGCCACTGGGGCCCTGGACCCCTGCTCAGCC
TCCTGCCACGGTGGACCCACGAACCTAAGGAGACACGAAGCCGAAGTGTCTGCACCTGAGCCCTCC
CAGAAACCTCCTGGGAAGCCCTGCCCGGGCTAGCCTACGAGCAGCGGAGGTGCACCGCCCTGCCACCC
TGCCACAGTGGCTGGGGGCTGGGGCCCTGGGGCCCTGTGAGCCCTGCCCTGTGACCTGTGGCCTGGGC
CAGACCATGGAACAACGGACGTGCAATCACCTGTGCCACAGCATGGGGGCCCTTCTGTGCTGGCGAT
GCCACCCGGACCCACATCTGCAACACAGCTGTGCCCTGCCCTGTGGATGGGGAGTGGGACTCGTGGGGG
GAGTGGAGCCCTGTATCCGACGGAACATGAAGTCCATCAGTGTCAAGAAATCCCGGGCCAGCAGTCA
CGCGGGAGGACCTGCAGGGGCCCAAGTTTGACGGACATCGATGTGCCGGCAACAGCAGGATATCCGG
CACTGCTACAGCATCCAGCACTGCCCTTGAAGGATCATGGTCAGAGTGGAGTACCTGGGGCTGTGC
ATGCCCCCTGTGGACCTAATCCTACCCGTGCCCGCCAGCGCCTCTGCACACCCTTGCTCCCAAGTAC
CCGCCACCGTTTCCATGGTCAAGGTCAAGGCGAGGCGAGAAGAACGTGACCTTCTGGGGGAGACCGCTGCCA
CGGTGTGAGGAGCTACAAGGCAGAAGCTGGTGGTGGAGGAGAAACGACCATGTCTACACGTGCCTGCT
TGCAAAGACCCTGAGGAAGAGGAACTCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001145252

**Insert Size:** 1410 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).

**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\\_001145252.1](#)

**RefSeq Size:** 1669 bp

**RefSeq ORF:** 1410 bp

**Locus ID:** 5199

**UniProt ID:** [P27918](#)

**Cytogenetics:** Xp11.23

**Protein Families:** Secreted Protein

**MW:** 51.3 kDa

**Gene Summary:** This gene encodes a plasma glycoprotein that positively regulates the alternative complement pathway of the innate immune system. This protein binds to many microbial surfaces and apoptotic cells and stabilizes the C3- and C5-convertase enzyme complexes in a feedback loop that ultimately leads to formation of the membrane attack complex and lysis of the target cell. Mutations in this gene result in two forms of properdin deficiency, which results in high susceptibility to meningococcal infections. Multiple alternatively spliced variants, encoding the same protein, have been identified.[provided by RefSeq, Feb 2009]  
Transcript Variant: This variant (2) differs in the 5' UTR and represents use of an alternate promoter compared to variant 1. Both variants 1 and 2 encode the same protein.