OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC319542

Properdin (CFP) (NM_002621) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Properdin (CFP) (NM_002621) Human Untagged Clone
Tag:	Tag Free
Symbol:	Properdin
Synonyms:	BFD; PFC; PFD; PROPERDIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for NM_002621.1
TATCAACCCAGATAAAGCGGGACCTCCTCTCTGGTAGAGGTGCAGGGGGCAGTACTCAAC
ATGATCACAGAGGGAGCGCAGGCCCCTCGATTGTTGCTGCCGCCGCTGCTCCTGCTGCTC
ACCCTGCCAGCCACAGGCTCAGACCCCGTGCTCTGCTTCACCCAGTATGAAGAATCCTCC
GGCAAGTGCAAGGGCCTCCTGGGGGGTGGTGTCAGCGTGGAAGACTGCTGTCTCAACACT
GCCTTTGCCTACCAGAAACGTAGTGGTGGGCTCTGTCAGCCTTGCAGGTCCCCACGATGG
TCCCTTTGGTCCACATGGGCCCCCTGTTCGGTGACGTGCTCTGAGGGCTCCCAGCTGCGG
TACCGGCGCTGTGTGGGCTGGAATGGGCAGTGCTCTGGAAAGGTGGCACCTGGGACCCTG
GAGTGGCAGCTCCAGGCCTGTGAGGACCAGCAGTGCTGTCCTGAGATGGGCGGCTGGTCT
GGCTGGGGGCCCTGGGAGCCTTGCTCTGTCACCTGCTCCAAAGGGACCCGGACCCGCAGG
CGAGCCTGTAATCACCCTGCTCCCAAGTGTGGGGGCCACTGCCCAGGACAGGCACAGGAA
TCAGAGGCCTGTGACACCCAGCAGGTCTGCCCCACACACGGGGCCTGGGCCACCTGGGGC
CCCTGGACCCCCTGCTCAGCCTCCTGCCACGGTGGACCCCACGAACCTAAGGAGACACGA
AGCCGCAAGTGTTCTGCACCTGAGCCCTCCCAGAAACCTCCTGGGAAGCCCTGCCCGGGG
CTAGCCTACGAGCAGCGGAGGTGCACCGGCCTGCCACCCTGCCCAGTGGCTGGGGGCTGG
GGGCCTTGGGGCCCTGTGAGCCCCTGCCCTGTGACCTGTGGCCTGGGCCAGACCATGGAA
CAACGGACGTGCAATCACCCTGTGCCCCAGCATGGGGGCCCCTTCTGTGCTGGCGATGCC
ACCCGGACCCACATCTGCAACACAGCTGTGCCCTGCCCTGTGGATGGGGAGTGGGACTCG
TGGGGGGAGTGGAGCCCCTGTATCCGACGGAACATGAAGTCCATCAGCTGTCAAGAAATC
CCGGGCCAGCAGTCACGCGGGAGGACCTGCAGGGGCCGCAAGTTTGACGGACATCGATGT
GCCGGGCAACAGCAGGATATCCGGCACTGCTACAGCATCCAGCACTGCCCCTTGAAAGGA
TCATGGTCAGAGTGGAGTACCTGGGGGCTGTGCATGCCCCCCTGTGGACCTAATCCTACC
CGTGCCCGCCAGCGCCTCTGCACACCCTTGCTCCCCAAGTACCCGCCCACCGTTTCCATG
GTCGAAGGTCAGGGCGAGAAGAACGTGACCTTCTGGGGGAGACCGCTGCCACGGTGTGAG
GAGCTACAAGGGCAGAAGCTGGTGGTGGAGGAGAAACGACCATGTCTACACGTGCCTGCT
TGCAAAGACCCTGAGGAAGAGGAACTCTAACACTTCTCTCCTCCACTCTGAGCCCCCTGA
CCTTCCAAACCTCAATAAACTAGCCTCTTCGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_002621

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_002621.1, NP_002612.1
RefSeq Size:	1701 bp
RefSeq ORF:	1410 bp
Locus ID:	5199
UniProt ID:	P27918
Cytogenetics:	Xp11.23
Domains:	tsp_1
Protein Families:	Secreted Protein
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 (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and publications.