

## Product datasheet for **SC119723**

### **C4BPA (NM\_000715) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C4BPA (NM_000715) Human Untagged Clone
Tag:	Tag Free
Symbol:	C4BPA
Synonyms:	C4BP; PRP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC119723 sequence for NM\_000715 edited (data generated by NextGen Sequencing)

```
ATGCACCCCCAAAACTCCATCTGGGGCTCTTCATAGAAAAAGGAAAATGGCAGCCTGG
CCCTTCTCCAGGCTGTGGAAAGTCTCTGATCCAATTCTCTTCAAATGACCTTGATCGCT
GCTCTGTTGCCTGCTGTTCTTGGCAATTGTGGTCCCTCCACCCACTTTATCATTGCTGCC
CCGATGGATATTACGTTGACTGAGACACGCTTCAAACTGGAACACTCTGAAATACACC
TGCTCCCTGGCTACGTGAGATCCCATCAACTCAGACGCTTACCTGTAATTCTGATGGC
GAATGGGTGTATAACACCTTCTGTATCTACAAACGATGCAGACACCCAGGAGATTACGT
AATGGGCAAGTAGAGATTAAGACAGATTTATCTTTTGGATCACAATAGAATTCAGCTGT
TCAGAAGGATTTTTCTTAATTGGCTCAACCACTAGTCGTTGTGAAGTCCAAGATAGAGGA
GTTGGCTGGAGTCATCCTCTCCACAATGTGAAATTGTCAAGTGAAGCCTCCTCCAGAC
ATCAGGAATGGAAGGCACAGCGGTGAAGAAAATTTCTACGCATACGGCTTTTCTGTCACC
TACAGCTGTGACCCCGCTTCTCACTCTGGGCCATGCCTCCATTTCTTGCACTGTGGAG
AATGAAACAATAGGCGTTTGGAGACCAAGCCCTCTACCTGTGAAAAATCACCTGTCGC
AAGCCAGATGTTTACATGGGAAATGGTCTCTGGATTTGGACCCATCTATAATTACAAA
GACACTATTGTGTTAAGTGCCAAAAAGTTTTGTTCTCAGAGGCAGCAGTGAATTCAT
TGTGATGCTGATAGCAAATGGAATCCTTCTCCTCTGCTTGTGAGCCCAATAGTTGTA
AATTTACCAGACATTCACATGCTTCTGGGAAACATATCCTAGGCCGACAAAAGAGGAT
GTGTATGTTGTTGGGACTGTGTTAAGGTACCGCTGTATCCTGGCTACAAACCCACTACA
GATGAGCCTACGACTGTGATTTGTGAGAAAAATTTGAGATGGACCCCATACCAAGGATGT
GAGGCGTTATGTTGCCCTGAACCAAGCTAAATAATGGTGAATCACTCAACACAGGAAA
AGTTCGCTGCCAATCACTGTGTTTATTTCTATGGAGATGAGATTTCAATTTTTCATGTCAT
GAGACCAGTAGGTTTTGCAATTTTCTCCTAAAATTGCCCATGGGATTATAAACAATCT
TCATGTGGAGACATTTGCAATTTTCTCCTAAAATTGCCCATGGGATTATAAACAATCT
AGTTCATACAGCTTTTTCAAAGAAGAGATTATATATGAATGTGATAAAGGCTACATTCTG
GTCGGACAGGCGAAACTCTCCTGCAGTTATTCACACTGGTCAGCTCCAGCCCTCAATGT
AAAGCTCTGTGTCGAAACCAGAAATTAGTGAATGGAAGGTTGTCTGTGGATAAGGATCAG
TATGTTGAGCCTGAAAATGTCACCATCCAATGTGATTCTGGCTATGGTGTGGTTGGTCCC
CAAAGTATCACTTGCTCTGGGAACAGAACCTGGTACCCAGAGGTGCCAAGTGTGAGTGG
GAGACCCCGAAGGCTGTGAACAAGTGCTCACAGGCAAAGACTCATGCAGTGTCTCCCA
AACCCAGAGGATGTGAAAATGGCCCTGGAGGTATAAAGCTGTCTCTGGAATTGAACAA
CTGGAACACTACAGAGAGACAGCGCAAGACAATCCACTTTGGATAAAGAACTATAA
```

Clone variation with respect to NM\_000715.3  
675 t=>c;899 t=>c

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_000715 unedited  
 GGTTGCAGGAATTTGTAATACGATTCACTATAGGGCGGCCGNGAATCGGCACGAGGTTT  
 TCTTCTTTGAGAACTATCCCAGATATCATCATAGAGTCTTCTGCTCTTCTCAACTACC  
 AAAGAAAAACATCAGCGAAGCAGCAGGCCATGCACCCCCAAAACTCCATCTGGGGCTC  
 TTCATAGAAAAAGGAAAAATGGCAGCCTGGCCCTTCTCCAGGCTGTGGAAGTCTCTGATC  
 CAATTCCTTCCAAATGACCTTGATCGCTGCTGTGTTGCCTGCTGTTCTGGCAATTGTG  
 GTCTCCACCCACTTTATCATTGCTGCCCGATGGATATTACGTTGACTGAGACACGCT  
 TCAAAACTGGAACACTCTGAAAATACACCTGCCCTCCCTGGCTACGTCAGATCCCATTCAA  
 CTCAGACGCTTACCTGTAATTCTGATGGCGAATGGGTGTATAACACCTTCTGTATCTACA  
 AACGATGCAGACACCCAGGAGAGTTACGTAATGGGCAAGTAGAGATTAAGACAGATTTAT  
 CTTTTGGATCACAAATAGAATTCAGCTGTTCAGAAGGATTTTTCTTAATTGGCTCAACCA  
 CTAGTCGTTGTGAAGTCCAAGATAGAGGAGTTGGCTGGAGTCATCCTCTCCACAATGTG  
 AAATTGTCAAGTGAAGCCTCCTCCAGACATCAGGAATGGAAGGCACAGCGGTGAAGAAA  
 ATTTCTACGCATACGGCTTTTCTGTACCTACAGCTGTGACCNCCGCTTCTCACTCTTGG  
 GCCATGCCTCCATTTCTGCACTGGGGAGAATGAACAATAAGCCGTTGGGAGACCAGCCC  
 TNCTACCTGTGAAAAATCACCTGTCGAAGCCAGATGTTTACATGGGGAAAAGGTCTCTG  
 GATTTGGACCCATCTATAAT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_000715 unedited  
 NNTTTTACTCTGNACCCGCGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTTTTTAT  
 ACTACATTTTTAATCGAAAAAATTTGTGCTTTGTGTGTTGAAAAACAAAACATGAGCCA  
 CACAGAGGATGATTAATAATTTACAATCTCAAAGCACTAACTTTAGCAAATTATCATT  
 TCTAGATATTTATTATGATGAATATCACTGCCAATTGACAGTAGATTTGCTAAACTGAT  
 CTGATTGAATTGCAAGAGGCAAGCCAGCAAGACACCTTTTCTCCTTCTTTTGAGAAAA  
 ATTATAGTTCTTTATCCAAAGTGGATTGTCTTGCCTGTCTCTGTAGTTCCAGTTGTT  
 CAATTTCCAGAGACAGCTTATATACCTCCAGGGCCATTTTACATCCTCTGGGTTTGGGA  
 GACACTGCATGAGTCTTTTGCCTGTGAGCACTTGTTCACAGCCTTCGGGGGTCTCCCACT  
 CACACTTGGGCACCTCTGGGTACCAGGTCTGTCCCAGAGCAAGTGATACTTTGGGGAC  
 CAACCACCATAGCCAGAATCACATTGGATGGTGACATTTTCAGGCTCAACATACTGAT  
 CCTTATCCACAGACAACCTTCCATTCATAATTCTGGTTTCCGACACAGAGCTTTACATT  
 GAGGGGCTGGAGCTGACCAGTGTGAATAACTGCAGGAGAGTTTTCCCTGTCCGACCAGAA  
 TGTAGCCTTTATCACATTCATATATAANTCTTCTTTGAANAAGCTGTATGAACAGAT  
 TGTTTATAATGCCATGGGGCATTAGGAGGGAAAATGCAATGTCTCCCATGATGGTGTC  
 GGGACTCCCGTGCATCTCTGGCATTAGCTGAACTACTGGTCTATGACATGAATGAATC  
 TCATCTTAGAATAACCAGTGATGGCAGACACTTTC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_000715

**Insert Size:**

2210 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).

**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\\_000715.3](#), [NP\\_000706.1](#)

**RefSeq Size:** 2256 bp

**RefSeq ORF:** 1794 bp

**Locus ID:** 722

**UniProt ID:** [P04003](#)

**Cytogenetics:** 1q32.2

**Domains:** CCP

**Protein Pathways:** Complement and coagulation cascades

**Gene Summary:** This gene encodes a member of a superfamily of proteins composed predominantly of tandemly arrayed short consensus repeats of approximately 60 amino acids. Along with a single, unique beta-chain, seven identical alpha-chains encoded by this gene assemble into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. The genes encoding both alpha and beta chains are located adjacent to each other on human chromosome 1 in the regulator of complement activation gene cluster. Two pseudogenes of this gene are also found in the cluster. [provided by RefSeq, Jul 2008]