

Product datasheet for **RR200781**

C4bpa (NM_012516) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C4bpa (NM_012516) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C4bpa
Synonyms:	C4BP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200781 representing NM_012516
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGACAAAGCAGCACCAGGCCCTGCGCCCCACAAGAGCTGCCACGGGAAGCTTCATAGAAACAGAG
 ACGCCGTGGCCTGGCCCTTGCTACGTTCTGCAGAGCCTCCGGTCCAACCTTTGTTCCAAATGAGCCTCAC
 TGCTGCTCTTTGGTTGCTGTATTTCGAAAATGTGGCCACCACCTGATTTACCTACGCCCTGCCAGCA
 AGTGAGATGAACCAGACAGACTTTGAAAGTCACACTACCCTGAGATACAATTGTCGCCCTGGCTATAGTA
 GAGCGAGCTCAAGCCAGAGTCTCTACTGTAACCTCTGGGAAAATGGCAGATTAATATCGCCTGCGTCAA
 AAAGTCATGCAGGAATCCAGGAGACTTACAAAATGAAAAGGTGGAAGTTAAGACAGATTTCTGTTTGA
 TCACAGATAGAATTCAGCTGCTCAGAGGATATATCTTAATTGGCTCATCCACTAGTTATTGTGAGATCC
 AAGGCAAAGGAGTTTCTGGAGTGATCCTCTCCAGAATGTGAATTGCCAAGTGTGGGATGCCCTCCAGA
 CATCAGCAATGGGAAGCACAATGGTAGAGAGGAAGAATCTTACATATCGTTCCCTCAGTCACCTATAAG
 TGTGATCCTGACTTCACACTCCTTGGCAATGCCTCCATTACCTGCACTGTGGTGAACAAAACAGTAGGTG
 TTTGGAGCCCAAGCCCTCTACCTGTGAAAGAATCATCTGTCTTGGCCAAAAGTTTTCATGGAACAAT
 TAATTCTGGATTCAAGCATACCTATAAATACAAAGACTCTGTGAGATTTGTCTGCCAGAAAGGGTTTGTCT
 CTCAGAGGCAGCGGTGTAATCCATTGTGAGGCTGATGGCAGCTGGAGTCCCGTACCAGTGTGTGAGCTCA
 ATAGTTGCACTGATATCCAGACATTCTAATGCTGCCCTGATAACCAGTCCCAGGCCAAGAAAGGAAGA
 TGTATATCCAGTGGGACTGTGCTCCGTACATCTGTGCTCGCTGGCTATGAACCTGCTACGAGACAGCCC
 ATGACTGTGATTTGTGAGAAAGATCTCAGCTGGAGCATGCTTAGGGGTGTAAGGAGATATGCTGTCCAG
 TACCAGCCCAAAGAGTGTAGAGTCATCAACATGAAAAGGCACATCCTGACAACGACTGTACTTACTT
 CTTTGGTGACGAAGTGTACATACACATGTCAAAATGATATAATGCTTACAGCTACTTGAAGTCAGATGGC
 ACCTGGCATCCCCGACACCATCATGTCATCAGAGTTGTGATTTTCCGCCTGCCATTGCTCACGGACGTT
 ATACAAAATCTTCTTACTACTACGTGAGAACTCAGGTTACATATGAATGTGAAGAAGGATACAGACTGGT
 TGGAGAGGCAACCATCTCCTGCTGGTATTCACAAATGGACACCAGCAGCTCCACAGTGTAAAGCTCTATGT
 CGGAAACCAGAGATAGGAAATGGAGTACTGTCTACTAATAAAGATCAATATGTCGAAACTGAAAATGTCA
 CCATCCAATGTGACTCGGGCTTTGTCATGCTAGGTTCCCAAAGCATCACTTGTTCGGAGAATGGAACCTG
 GTACCCAAAGGTGCCAGATGTGAGCAGGAGTCCCTAAAGACTGTGAGCACGTGTTTCAGGCAAGAAG
 CTCATGCAATGTCTGCCAAATCAAATGACGTGAAAATGGCCCTGGAGGTCTACAAGCTGACTCTGGAGA
 TTAACAATTACAGCTCCAGATAGACAAGGCAAAGCACGTTGACCGGGAGTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200781 representing NM_012516
 Red=Cloning site Green=Tags(s)

MWTKQHQLRPTRAHGLHRNRDAVAVPLSTFCRASGPTLFQMSLTAALWVAVFGKCGPPDLPYALPA
 SEMNQDFESHHTLRYNCRPGYSRASSQSLYCKPLGKWQINIACVKKSCRNPGDLQNGKVEKTDLFLFG
 SQIEFSCSEGYILIGSSTSYCEIQGKGVSWDPLPECVIAKGMPPDISNGKHNGREEEFFTYRSSVTYK
 CDPDFLLGNASITCTVVKTVGVWSPSPPTCERIIICPWPKVLHGTINSGFKHTYKYKDSVRFVCKGFV
 LRGSGVIHCEADGSWSPVPVCELNSCTDIPDIPNAALITSPRPRKEDVYPVGTVLRVICRPGYEPATRQP
 MTVICQKDL SWSMLRGCKEICCPVDPKSVRVIQHEKAHPDNDCTYFFGDEVSYTCQNDIMLTATCKSDG
 TWHPRTPSCHQSCDFPPAIAHGRYTKSSSYVVRTQVTECEEGRVLVGEATISCWYSQWTPAAPQCKALC
 RKPEIGNGVLSTNKDQYVETENVTIQCDSGFVMLGSQSITCSENGTWYPKVRCEQEVPKDCEHVFAGKK
 LMQCLPNSNDVKMALEVYKLTLEIKQLQLQIDKAKHVDREL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_012516

ORF Size: 1803 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_012516.2](#), [NP_036648.2](#)

RefSeq Size: 2340 bp

RefSeq ORF: 1806 bp

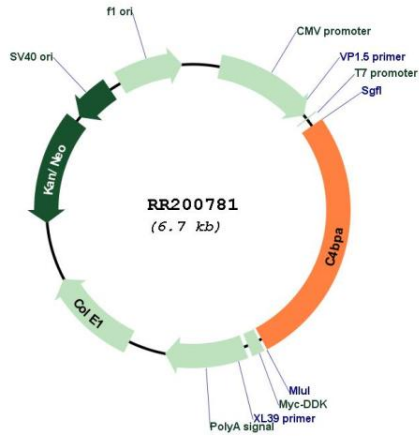
Locus ID: 24235

Cytogenetics: 13q13

MW: 67.2 kDa

Gene Summary: regulatory protein for the complement system of the innate immune response [RGD, Feb 2006]

Product images:



Circular map for RR200781