

## Product datasheet for **RR204161**

### **C6 (NM\_176074) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C6 (NM_176074) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR204161 representing NM\_176074  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACCAGACATCTCACCTTGTGTTTCATTTTGTCTGATCATACTGATTGACAAGAGTGAAGCCTGTTTCT  
 GTGACCACTACCCATGGACTCACTGGTCCAGCTGTTCTAAGTCCTGCAATTCTGGAACCCAGAGCAGACA  
 GAGACAAATCGTAGTGAACGATTACTATCGGGATAACTCATGCGATCAGCTCTGTACCAAGCAGGAGACC  
 AGACAGTGCAACGTGGAGACATGTCCCATCAACTGTGTCTAGGAGACTATGGAACATGGTCAGACTGTG  
 ACCCTTGTATTAGAAAACAGGTTAAAGTTAGATCTGTTCTGCGCCCAAGTCAGTTTGGGGGACAACCATG  
 CACAGAGCCCCTGGTACCTTTCAACCATGTGTCCCATCTGAGCTCTGCAAAATTGAAGAGACTGATTGC  
 AAGAATAAATTCCTCTGTGACAGTGGCGCTGTATCCAGCAAGTTAAAATGCAATGGAGAAAATGACT  
 GTGGAGACAATTCAGACGAAAGGAACTGTGGGAGGACAAAGCCAGTATGCTCACGGACATACACTCCTAT  
 CCCCAGTGTGACGCTGATGGGCGCTGGGTTTCATTTTCTGGCAGGAGAGCCAGAGGAGATGTCCCTGAT  
 AACTCCTTCACTGGAGGAATATGTAATCCGTCAGGAGCAGCCGAACGAGTAATCCACACCGAGTCCAG  
 CCAATCTGAAAAATGTCAACTTTGAGGTACAACTATAGAAGATGACTTGAAAAACAGATTCTACAAGGA  
 TTTAGCCACTATTGAAAAAATAAAAAATGAAGACCGTTCATTGTCTGGTGAGAAGAAAGACTCTTTCTAC  
 GTACCAATTTTTTATTCTCAAAGAAAAGTGAATAATTTCCAACGTAACCTCAGGCTTCAAAAAACGCCATTG  
 AAGCCTCCCAAGAAGGATTGAGCTTTGTTAGGATCCATAAAGTGATAAAAAGTCTTAACTTCACAAAT  
 GAAAACGACAGACCTGCAGCTCTCAGACGCTTCCCTAAAAGCCCTCATCCACCTGCCTTTAGAATAACA  
 TTTGCTTTGTACAGCCGGATATTTGATGACTTTGGGACCCACTATTTACCTCAGGCTCCCTTGGGGGCA  
 AGTATGACCTTCTACCAATTCAGCCAGGAGCTACAGAACTCAGGTTTAAACAGAAGAAGAACTCG  
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 TGTCTTCTCTGAGTGGTTAGAGTCGGTGAAGGAAAACCTGCTGTGGTTGATTATGAGCTTGTCCGATC  
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 ATGCAGCAAGTTTGACCCTTGCCAATGTGCTCCATGTCTAATAATGGCCGCCAGGCTCTCAGGCAC  
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 AGCTGTGGGATACCAGTACTTCAGATGCTTACCAGACAGAACCTGGAGGCAAGGGGATGTCGAATGCCAA  
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 GCAATTATTCGGAAGATCTCTGTATATTTGATGAGGGATCCAGTCACTTCACTTCTGCTTGCATGCTT  
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 ATGATACTTGTATGACTGGGAAAAATGTTTCCAGCCACACCTCCAACCTGTGTCTGCTATTGCCCCACA  
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 AT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204161 representing NM\_176074  
 Red=Cloning site Green=Tags(s)

MTRHLTLCFILLIILIDKSEACFDHYPWTHWSSCSKSCNSGTQSRQRQIVVNDYYRDNSSCDQLCTKQET  
 RQCNVETCPINCVLGDYGTWSDCDPCIRKQVKVRSVLRPSQFGGQPCTEPLVTFQPCVPSSELCKIETDC  
 KNKFLCDSGRICIPSKLKCNGENDCGDNSDERNCGRTPKVCRTYPIPSVQLMGAGFHFLAGEPRGDVPD  
 NSFTGGICKSVRSRSTSNPHRVPANLENVNFVQTIEDDLKTDIFYKDLATIGKNKNEDRSLSGEKKDSFY  
 VPIFYSSKSENFORNSGFKNAIEASHKKDSSFVRIHKVIKVLNFTMKTTDLQLSDVFLKALIHLPLEYN  
 FALYSRIFDDFGTHYFTSGSLGGKYDLLYQFSRQELQNSGLTEETRNCVRYETKKRFLFFTKTYKEDRC  
 TTNRLESEYKGSFLQGSEKISISLVQGGRSQAAAALAWEKSSGPEANVFSEWLESVKENPAVVYDELAPI  
 IDLVRNIPCAVTKRNNLRKALQEYAAKFDPCQCPCPNNGRPRLSGTECLCVCQSGTYGENCEKRSPTYK  
 SNAVDGNWGCWSSWSACNAAYRRSRSRECNPEPQRGGQRCEGKHWQEEDCTFSIMEKVGQPCISDDEEI  
 KEVDLAEPEADSGCPQPPLPENAFVWNEKKLYSGEEVEISCLTGFKAVGYQYFRCLPDRTWRQGDVECQ  
 RTECLKPVVQDVLTI SPFQSVYIGESIELTCPRGFVAGPSRYTCKGDSWTPPIPNLSCEKDILTKSK  
 GLCQPGQKQSGSECVCMSPPEEDCSSYSEDLCIFDEGSSQYFTSSACKFLAEKCLNSNQFHFVHAGSCQEG  
 PQLLEWGLERLKLAMKSTRVPCGYDTCYDWEKCSAHTSNVCVLLPPQCPKDENQLHCVKMGSSMRGKTVN  
 ICTLGAVRCANRKEILNPGRCILD

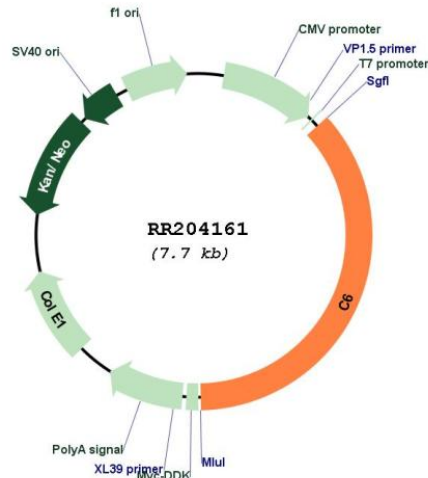
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_176074

**ORF Size:** 2802 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\\_176074.3](#), [NP\\_788263.1](#)

**RefSeq Size:** 3036 bp

**RefSeq ORF:** 2805 bp

**Locus ID:** 24237

**UniProt ID:** [Q811M5](#)

**Cytogenetics:** 2q16

**MW:** 105.1 kDa

**Gene Summary:** component of the complement cascade for immune response; may be a component of the membrane attack complex [RGD, Feb 2006]