

## Product datasheet for MC205998

### C1qc (NM\_007574) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C1qc (NM\_007574) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** C1qc  
**Synonyms:** A1385742; C1qg; Ciqc  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >BC075724

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GGAGAACAGGACGTCTCTGTGATTAGGCCTGAAGTCCCTTACACCCTCAGGATGGTCGTTGGACCCAGTT
GCCAGCCTCCATGTGGACTTTGCCTGCTGCTGCTGTTTCTTCTGGCCCTACCACTCAGGAGCCAGGCCAG
CGCTGGCTGCTATGGGATCCCAGGGATGCCAGGCATGCCGGGGGCCCTGGGAAGGACGGGCATGATGGA
CTCCAGGGGCCCAAGGGAGAGCCAGGAATCCCAGCCGTCCTGGGACCCGAGGACCAAGGGTCAGAAGG
GCGAGCCTGGCATGCCTGGCCACCGTGGGAAAAATGGCCCTAGGGGGACCTCAGGGTTGCCAGGGGACCC
AGGCCCCAGGGGGCCTCCGGGGAGCCAGGTGTGGAGGGCCGATACAAACAGAAGCACCAGTCGGTATTC
ACAGTCACCCGGCAGACCACCCAGTACCAGAGGCCAACGCCCTCGTCAGGTTCAACTCTGTGGTCACCA
ACCCTCAGGGGCATTACAACCAAGCACAGGGAAGTTCACCTGTGAAGTGCCGGGCTCTACTACTCGT
CTACTACACATCGCATACGGCCAACCTGTGCGTGCACCTGAACCTCAACCTTGCCAGGGTGGCCAGCTTC
TGCACCACATGTTCAACAGCAAGCAGGTGAGTCCGGAGGAGTCTCCTGCGGCTCCAGAGGGGCGACG
AGGTGTGGCTATCAGTCAATGACTACAATGGCATGGTGGGCATAGAGGGCTCCAACAGCGTCTTCTCTGG
TTTCTACTGTTTCCCGACTAGAACGGCAGGCTGCTTCCAGCCCCAGCCACCCACCTCGCTCCCTCTGC
TTTCCCCATCCTCACTCAGACCTTTCCTCCAGGAAGTCCACCCTGGTTCCTGATCCATCGGCCCTGTGT
CTCCTCAGAGTTTCTCTGGGAACCACCTAATGGTATTATTCTGTGGCCATTTATCAATACCTTATGAGA
CTATTTTTTTGTTTCAGGTGGTGGATAGAGAAATAAATAAATCCCTAAATAAAAAAAAAAAAAAAAAA
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**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_007574  
**Insert Size:** 741 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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC075724</a></u> , <u><a href="#">AAH75724</a></u>
<b>RefSeq Size:</b>	1045 bp
<b>RefSeq ORF:</b>	741 bp
<b>Locus ID:</b>	12262
<b>UniProt ID:</b>	<u><a href="#">Q02105</a></u>
<b>Cytogenetics:</b>	4 69.05 cM
<b>Gene Summary:</b>	C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the serum complement system. The collagen-like regions of C1q interact with the Ca(2+)-dependent C1r(2)C1s(2) proenzyme complex, and efficient activation of C1 takes place on interaction of the globular heads of C1q with the Fc regions of IgG or IgM antibody present in immune complexes.[UniProtKB/Swiss-Prot Function]