

## Product datasheet for **MC206108**

### C1qb (BC067001) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C1qb (BC067001) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** C1qb  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >BC067001

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GGCTCTGGGCTCTGGGAATCCACTGCTGTCCGGCCTAGAAGCATCACAGAACACCAGGATCCATACACA
GGAAGCCCCTGAGGCTGAGCTGATGAAGACACAGTGGGGTGGAGTCTGGACACACCTGTTACTGCTGCTT
CTAGGTTTTCTCCATGTGTCTGGGCCAAAGCAGCTGCACCGGCCCCCTGGCATCCCTGGCATCCCTG
GGTCCCTGGGGTTCTGGCTCTGATGGCCAACCAGGCACTCCAGGGATAAAGGGGGAGAAAGGGTCCC
TGGACTGGCTGGAGACCTTGGTGTGAGTTGGAGAGAAAGGGGACCCAGGGATCCCTGGGACTCCAGGCAA
GTTGGCCCTAAGGGTCCCGTCCGGCCCTAAGGGTACTCCAGGCCCTCTGGACCCCGCGGTCCCAAAGGCG
ATTCTGGGGACTACGGGGCTACACAGAAAGTCCGCTTCTCTGCCCTGAGGACCATCAACAGCCCCTTGCG
ACCGAACCAGGTCATTGCTTCGAAAAGGTGATCACCAACGCGAACGAGAAGTATGAGCCACGCAACGGC
AAGTTCACCTGCAAGGTGCCTGGCCTCTACTACTCACCTATCATGCCAGCTCCCGGGGCAACCTGTGTG
TGAATCTCGTTCGTGGCCGATCGGGACAGCATGCAGAAAGTAGTCACCTTCTGTGACTATGCCAGAA
CACCTTCCAGGTGACCACAGGTGGGTAGTCTTGAAGCTAGAGCAAGAGGAGTTGTTACCTGACAGGCC
ACAGACAAGAAGTCCCTCCTGGGCATTGAGGGTGCCAACAGCATCTTCACTGGCTTTCTGCTTTCCCTG
ACATGGATGCGTAATCACGGGGTCAAATTACACCTATCCAACACCATCTTCTGCCTCCCTGCCAGCAAT
CCTCCCTGGACCCCTGACATCACCCCTTGACTGCCTGAAACCCAGACCAGGCCCTGTAGATGTTACAG
AACGAATGGGTCAATAAACTCTTCAAGGCCAAAAAAAAAAAAAAAAAAAA
```

**Restriction Sites:** Ascl-NotI  
**ACCN:** BC067001  
**Insert Size:** 762 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>BC067001, AAH67001</u>
<b>RefSeq Size:</b>	1027 bp
<b>RefSeq ORF:</b>	762 bp
<b>Locus ID:</b>	12260
<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]