

Product datasheet for MC200379

C1qa (BC002086) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1qa (BC002086) Mouse Untagged Clone
Tag: Tag Free
Symbol: C1qa
Synonyms: A1255395; C1q
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC002086
 GGTGTCCCACCATCAGCAAAGGGCTGGAGCATCCAGTTTGTATCGGACCACGGAGGCAGGGACACCATGGA
 GACCTCTCAGGGATGGCTGGTGGCTGTGTGCTGACCATGACCCTAGTATGGACAGTGGCTGAAGATGTC
 TGCCGAGCACCCAACGGGAAGGATGGGGCTCCAGGAAATCCTGGCCGCCCGGGAGGCCGGTCTCAAAG
 GAGAGAGAGGGGAGCCAGGAGCTGCTGGCATCCGGACTGGTATCCGAGGTTTTAAAGGAGACCCAGGGGA
 ATCTGGCCCCCTGGCAAACCTGGCAATGTGGGCTCCAGGTCCAGTGGTCCCCTGGGGACAGCGGC
 CCCAAGGACTGAAGGGCGTAAAGGCAATCCAGGCAATATCAGGGACCAGCCCCGGCCAGCTTTCTCAG
 CCATTCGGCAGAACCAATGACGCTTGGCAACGTGTTATCTTTGACAAGGTCTCACCACCCAGGAGAG
 TCCATACCAGAACCACACGGGTCGTTTCTGTGCAAGTCCCGGCTTCTATTACTTCAACTTCAAAGT
 ATCTCAAAGTGGACCTTTGTCTGTTTATCAAGTCTTCTCCGGGGCCAGCCAGGGATCCCTGAGTT
 TCTCTAACACCAACAACAAGGGCTCTTTCAGGTGTTAGCAGGGGCACCGTGCTTCAGCTGCGACGAGG
 GGACGAGGTGTGGATCGAAAAGGACCCCGCAAAGGGTCGATTTACCAGGGCACTGAAGCCGACAGCATC
 TTCAGCGGATTCCTCATTTTCCCCTCGGCTGAGCTGGGATCTGCCCTGCATCCTGCCATCTCCTGCG
 CTCCCTGTTGTGGACCACGCCCCCCCCCTCCGTCTGCACCCCTCCCCTCCGCACTCTGCAAAGTGAAGG
 GGCTGGGGCTTTAGCACCTGGGGAGGGGCTGTCTCGGAGGGAGGGCACTGAGGACTGATGTTTCTGCA
 CACTGCCAGTGGTTTCTTTAAGCACTTCTGGAATAAACGATCCCCGTCTGTGTCTGTGAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC002086
Insert Size: 738 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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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:	<ol style="list-style-type: none">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:	<u>BC002086</u> , <u>AAH02086</u>
RefSeq Size:	1080 bp
RefSeq ORF:	738 bp
Locus ID:	12259
Cytogenetics:	4 69.05 cM
Gene Summary:	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]