

Product datasheet for **MG203092**

C1qc (NM_007574) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1qc (NM_007574) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: C1qc
Synonyms: A1385742; C1qg; Ciqc
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203092 representing NM_007574
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCGTTGGACCCAGTTGCCAGCCTCCATGTGGACTTTGCCTGCTGCTGCTGTTTCTTCTGGCCCTAC
CACTCAGGAGCCAGGCCAGCGCTGGCTGCTATGGGATCCCAGGGATGCCAGGCATGCCGGGGGCCCTGG
GAAGGACGGGCATGATGGACTCCAGGGGCCAAGGGAGAGCCAGGAATCCAGCCGTCCTGGGACCCGA
GGACCCAAGGGTCAGAAGGGCGAGCCTGGCATGCCTGGCCACCGTGGGAAAAATGGCCCTAGGGGGACCT
CAGGGTTGCCAGGGGACCCAGGCCCCAGGGGGCCTCCGGGGAGCCAGGTGTGGAGGGCCGATACAAACA
GAAGCACCAGTCGGTATTCACAGTCACCCGGCAGACCACCCAGTACCCAGAGGCCAACGCCCTCGTCAGG
TTCAACTCTGTGGTCACCAACCCCTCAGGGGCATTACAACCAAGCACAGGGAAGTTCACCTGTGAAGTGC
CGGGCCTCTACTTCTGCTACTACACATCGCATACGGCCAACCTGTGCGTGCACCTGAACCTCAACCT
TGCCAGGGTGGCCAGCTTCTGCGACCACATGTTCAACAGCAAGCAGGTACAGTCCGGAGGAGTCTCCTG
CGGCTCCAGAGGGGCGACGAGGTGTGGCTATCAGTCAATGACTACAATGGCATGGTGGGCATAGAGGGCT
CCAACAGCGTCTTCTCTGGTTTCTACTGTTTCCCGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203092 representing NM_007574
Red=Cloning site Green=Tags(s)

MVVGPSQCQPPCGLCLLLLLFLALPLRSQASAGCYGIPGMPGMPGAPGKDGHDGLQGPKGEPGIPAVPGTR
 GPKGQKGEPMGHRGKNGPRGTSGLPGDPGPRGPPGEPGVEGRYKQKHQSVFTVTRQTTQYPEANALVR
 FNSVVTNPQGHYNPSTGKFTCEVPLYYFVYYTSHNTANLCVHLNLNLARVASFCDHMFNSKQVSSGGVLL
 RLQRGDEVWLSVNDYNGMVGIEGNSVFSGFLFPD

TRTRPLE - GFP Tag - V

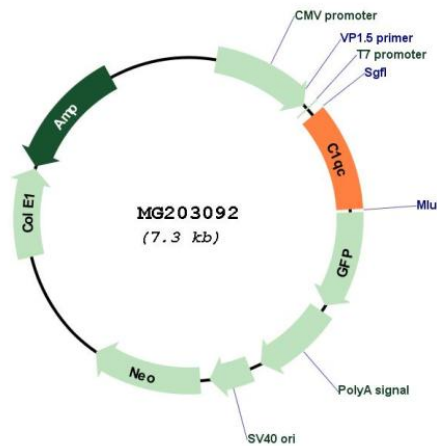
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_007574

ORF Size: 738 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:	<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:	NM_007574.2 , NP_031600.2
RefSeq Size:	1063 bp
RefSeq ORF:	741 bp
Locus ID:	12262
UniProt ID:	Q02105
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]