

Product datasheet for **MG202091**

C8g (NM_027062) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C8g (NM_027062) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: C8g
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202091 representing NM_027062
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGTCTCCAGGGGCTGTGTTGTTCTTACCCTGCTCTTGACAGCCAGTTCGCTGGGCCAAAGGACTC
 GAAAGCCTATTGGGTCTACCTCCCCATCAGCACTATCCAGGCCAGGTCAATTTAGTGCTCAGAAATT
 TGCAGGGACATGGCTCCTGGTGGCTGTGGGCTCTTCGTGCCGCTTTCTTCAGGAGCAGGGACACCGAGCT
 GAGGCCACCACATTGCACGCAGCTCCCCAGGGTGCAGCTATGGCTGTGAGCACCTCCGAAAGCTAGATG
 GGATATGTTGGCAGGTACGCCAACTCTTTGAGAACACAGGGGTCCTGGCCGCTTCTTGTCCAAGTCTC
 ACGGGCCCGTGGACCACTGCATATGGTGGTTGCTGAGACTGACTATCAGAGCTTTGCCATCCTGTACCTG
 GAACAGGGAAGGAAGCTGTCTGTGAAACTATACGTCCGCTCACTGCCAGTGAATGACTCTGTCTGGATG
 TGTTTGGAGCGCGAGTCAGGGAAGCCAACCTGACAGAAGATCAGATTCTTTTCTTCCCAAGTATGGTTT
 CTGCGAGACTGCGGACCAATTACACATCCTGAACGAGGTGCCGCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202091 representing NM_027062
 Red=Cloning site Green=Tags(s)

MLSPGAVLFFFTLLL TASSLGQRTRKPIGSTSPISTIQAQVNFSAQKFAGTWLLVAVGSSCRFLQEQQHRA
 EATTLHAAPQGAAMAVSTFRKLDGICWQVRQLFENTGVPGRFLFQVSRARGPVHMVVAETDYQSFAILYL
 EQGRKLSVKLYVRSPLVNDVSLDFERRVREANLTEDQILFFPKYGFCEADQLHILNEVPR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

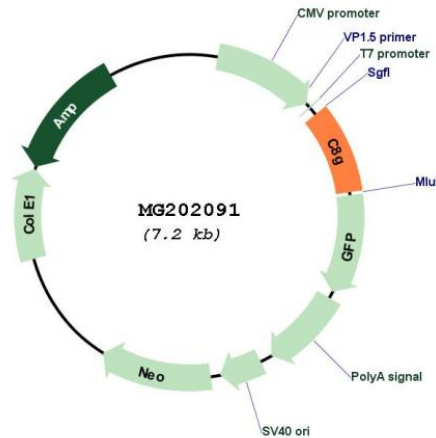


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Cloning Scheme:



Plasmid Map:



ACCN: NM_027062

ORF Size: 606 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:	<u>NM_027062.2</u>
RefSeq Size:	1063 bp
RefSeq ORF:	609 bp
Locus ID:	69379
UniProt ID:	<u>Q8VCG4</u>
Cytogenetics:	2 17.31 cM
Gene Summary:	This gene encodes a secreted protein that is a core component of the complement 8 (C8) complex. C8 is part of the membrane attack complex which participates in the innate immune response against bacterial pathogens. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2012]