

## Product datasheet for **MR202091**

### C8g (NM\_027062) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C8g (NM\_027062) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** C8g  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR202091 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGTCTCCAGGGGCTGTGTTGTTCTTACCCTGCTCTTGACAGCCAGTTCGCTGGGCCAAAGGACTC  
 GAAAGCCTATTGGGTCTACCTCCCCATCAGCACTATCCAGGCCAGGTCAATTTTCAGTGCTCAGAAGTT  
 TGCAGGGACATGGCTCCTGGTGGCTGTGGGCTCTTCGTCCGCTTTCTTCAGGAGCAGGGACACCGAGCT  
 GAGGCCACCACATTGCACGCAGCTCCCCAGGGTGCAGCTATGGCTGTGAGCACCTCCGAAAGCTAGATG  
 GGATATGTTGGCAGGTACGCCAACTCTTTGAGAACACAGGGGTCCCTGGCCGCTTCTTGTCCAAGTCTC  
 ACGGGCCCGTGGACCACTGCATATGGTGGTTGCTGAGACTGACTATCAGAGCTTTGCCATCCTGTACCTG  
 GAACAGGGAAGGAAGCTGTCTGTGAAACTATACGTCCGCTCACTGCCAGTGAATGACTCTGTCTGGATG  
 TGTTTGAGCGCGAGTCAGGGAAGCCAACCTGACAGAAGATCAGATTCTTTCTTTCCCAAGTATGGTTT  
 CTGCGAGACTGCGGACCAATTACACATCTGAACGAGGTGCCGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR202091 protein sequence  
 Red=Cloning site Green=Tags(s)

MLSPGAVLFFFTLLL TASSLGQRTRKPIGSTSPISTIQAQVNFSAQKFAGTWLLVAVGSSCRFLQEQQHRA  
 EATTLHAAPQGAAMAVSTFRKLDGICWQVRQLFENTGVPGRFLFQVSRARGPVMVVAETDYQSFAILYL  
 EQGRKLSVKLYVRSPLVNDVLDVFERRVREANLTEDQILFFPKYGFCEADQLHILNEVPR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


**ACCN:** NM\_027062

**ORF Size:** 609 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:**
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\\_027062.2](#)

**RefSeq Size:** 1044 bp

**RefSeq ORF:** 609 bp

**Locus ID:** 69379

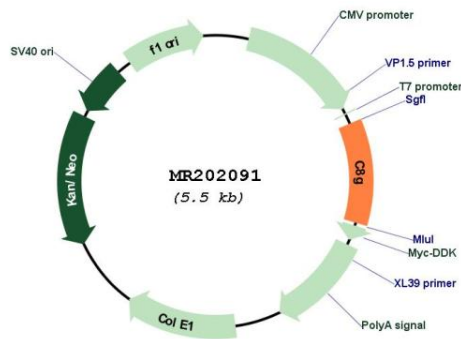
**UniProt ID:** [Q8VCG4](#)

**Cytogenetics:** 2 17.31 cM

**MW:** 22.5 kDa

**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]

**Product images:**



Circular map for MR202091