

Product datasheet for **MC226042**

C8g (NM_001271777) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: C8g (NM_001271777) Mouse Untagged Clone
Tag: Tag Free
Symbol: C8g
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226042 representing NM_001271777
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCCTTCCCAATGCTACAGGGCACAGGGAGGCAGTTTGCAGGGACATGGCTCCTGGTGGCTGTGGGCT
CTTCGTGCCGCTTTCTTCAGGAGCAGGGACACCGAGCTGAGGCCACCACATTGCACGCAGCTCCCCAGGG
TGCAGCTATGGCTGTAGCACCTTCCGAAAGCTAGATGGGATATGTTGGCAGGTACGCCAACTCTTTGAG
AACACAGGGGTCCCTGGCCGCTTCTTGTCCAAGTCTCACGGGCCGTTGGACAGTGCATATGGTGGTTG
CTGAGACTGACTATCAGAGCTTTGCCATCCTGTACCTGGAACAGGGAAGGAAAGCTGTCTGTGAAACTATA
CGTCCGCTCACTGCCAGTGAATGACTCTGTCTGGATGTGTTGAGCGGCGAGTCAGGGAAGCCAACCTG
ACAGAAGATCAGATTCTTTCTTTCCCAAGTATGGTTTCTGCGAGACTGCGGACCAATTACACATCTGA
ACGAGGTGCCGCGAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271777
Insert Size: 507 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).
OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



[View online >](#)

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_001271777.1, NP_001258706.1</u>
RefSeq Size:	823 bp
RefSeq ORF:	507 bp
Locus ID:	69379
Cytogenetics:	2 17.31 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct N-terminus, compared to isoform 1.</p>