

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

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC226042 representing NM_001271777
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCTTCCCAATGCTACAGGGCACAGGGAGGCAGTTTGCAGGGACATGGCTCCTGGTGGCTGTGGGCT
 CTTCTGTCGCTTTCTTCAGGAGCAGGGACACCGAGCTGAGGCCACCATTTGCACGCAGCTCCCCAGGG
 TGCAGCTATGGCTGTCAGCACCTCCGAAAGCTAGATGGGATATGTTGGCAGGTACGCCAACTCTTTGAG
 AACACAGGGGTCCCTGGCCGCTTCTTGTCCAAGTCTCACGGGCCGTGGACCACTGCATATGGTGGTTG
 CTGAGACTGACTATCAGAGCTTTGCCATCTGTACCTGGAACAGGGAAGGAAGCTGTCTGTGAACTATA
 CGTCCGCTCACTGCCAGTGAATGACTCTGCTCGGATGTGTTTGAGCGGCGAGTCAGGGAAGCCAACCTG
 ACAGAAGATCAGATTCTTTCTTTCCCAAGTATGGTTTCTGCGAGACTGCGGACCAATTACACATCTGA
 ACGAGGTGCCGCGAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001271777.1</u> , <u>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>