

Product datasheet for MR228253

C8g (NM_001271777) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C8g (NM_001271777) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: C8g
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228253 representing NM_001271777
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGCCTTCCCAATGCTACAGGGCACAGGGAGGCAGTTTCAGGGACATGGCTCCTGGTGGCTGTGGGCT
CTTCGTGCCGCTTCTTCAGGAGCAGGGACACCGAGCTGAGCCACCACATTGCACGCAGCTCCCCAGGG
TGCAGCTATGGCTGTAGCACCTCCGAAAGCTAGATGGGATATGTTGGCAGGTACGCCAACTCTTTGAG
AACACAGGGGTCCCTGGCCGCTTCTGTCCAAGTCTCAGGGCCCGTGGACCAGTGCATATGGTGGTTG
CTGAGACTGACTATCAGAGCTTTGCCATCTGTACCTGGAACAGGGAAGGAAGCTGTCTGTGAACTATA
CGTCCGCTCACTGCCAGTGAATGACTCTGTCTGGATGTGTTGAGCGGCAGTCAAGGAAAGCAACCTG
ACAGAAGATCAGATTCTTTCTTTCCCAAGTATGGTTTCTGCGAGACTGCGGACCAATTACACATCTGA
ACGAGGTGCCGCGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228253 representing NM_001271777
Red=Cloning site Green=Tags(s)

MPSPMLQGTGRQFAGTWLLVAVGSSCRFLQEQQHRAEATTLHAAPQGAAMAVSTFRKLDGICWVRQLFE
NTGVPGRFLFQVSRARGPVHVMVAETDYQSFAILYLEQGRKLSVKLYVRSPLVNDVDFERRVREANL
TEDQILFFPKYGFCETADQLHILNEVPR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

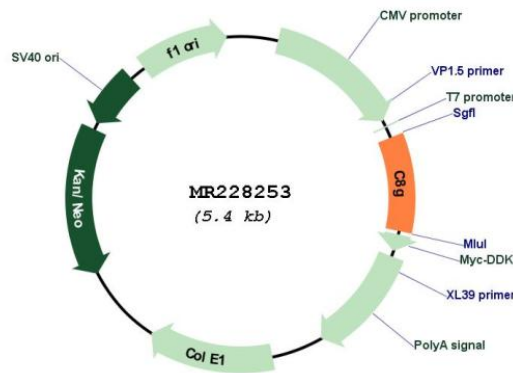


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001271777

ORF Size: 504 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_001271777.1, NP_001258706.1</u>
RefSeq Size:	823 bp
RefSeq ORF:	507 bp
Locus ID:	69379
Cytogenetics:	2 17.31 cM
MW:	19.4 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]