

Product datasheet for **SC100678**

Repulsive Guidance Molecule A (RGMA) (NM_020211) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Repulsive Guidance Molecule A (RGMA) (NM_020211) Human Untagged Clone
Tag:	Tag Free
Symbol:	Repulsive Guidance Molecule A
Synonyms:	RGM
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC100678 sequence for NM_020211 edited (data generated by NextGen Sequencing)

```

ATGCAGCCGCCAAGGGAGAGGCTAGTGGTAACAGGCCGAGCTGGATGGATGGGTATGGGG
AGAGGGGAGGACGTTTACGCCCTGGGATTCTGGCCGACCTCGCCTTCTTCTCTGCAGC
TTCCCCGAGCCACCTCCCCGTGCAAGATCCTCAAGTGAACCTCTGAGTTCTGGAGCGCC
ACGTGCGGCAGCCACGCCCCAGCCTCAGACGACACCCCCGAGTTCTGTGCAGCCTTGCGC
AGCTACGCCCTGTGCACGCGGCGGACGGCCGACCTGCCGGGGTGACCTGGCCTACCAC
TCGGCCGTCCATGGCATAGAGGACCTCATGAGCCAGCACAACTGCTCCAAGGATGGCCCC
ACCTCGCAGCCACGCCTGCGCACGCTCCCACCGCCGGAGACAGCCAGGAGCGCTCGGAC
AGCCCCGAGATCTGCCATTACGAGAAGAGCTTTACAAGCACTCGGCCACCCCCAACTAC
ACGCACTGTGGCCTTTTCGGGGACCCACACCTCAGGACTTTACCAGCCGCTTCCAGACC
TGCAAGGTGCAGGGCGCCTGGCCGCTCATCGACAATAATTACCTGAACGTGCAGGTACC
AACACGCCTGTGTGCCCGCTCAGCGGCCACTGCCACCAGCAAGCTCACCATCATCTTC
AAGAATTCCAGGAGTGTGTGGACCAGAAGGTGTACCAGGCTGAGATGGACGAGCTCCCG
GCCGCCTTCGTGGATGGCTCTAAGAACGGTGGGACAAGCACGGGGCCAACAGCCTGAAG
ATCACTGAGAAGGTGTACAGGCCAGCACGTGGAGATCCAGGCCAAGTACATCGGCACCACC
ATCGTGGTGCGCCAGGTGGGCGCTACCTGACCTTTGCCGTCCGCATGCCAGAGGAAGTG
GTCAATGTGTGGAGGACTGGGACAGCCAGGGTCTTACCTCTGCCTGCGGGGCTGCCCC
CTCAACCAGCAGATCGACTTCCAGGCCTTCCACACCAATGCTGAGGGCACCGGTGCCCGC
AGGCTGGCAGCCGCCAGCCCTGCACCCACAGCCCCGAGACCTTCCCATACGAGACAGCC
GTGGCCAAAGTGAAGGAGAAGCTGCCGGTGGAGGACCTGTAACCAGGCCTGCGTCTTC
GACCTCCTCACCAGGGCGACGTGAACCTCACACTGGCCGCTACTACCGGTTGGAGGAT
GTCAAGATGCTCACTCCAACAAAGACAACTGCACCTGTATGAGAGGACTCGGGACCTG
CCAGGCAGGGCGCTGCCGGGCTGCCCTGGCCCCCGGCCCTCCTGGGCGCCCTGGTC
CCGCTCCTGGCCCTGCTCCCTGTGTTCTGCTAG
    
```

Clone variation with respect to NM_020211.2
1317 c=>g

5' Read Nucleotide Sequence: >OriGene 5' read for NM_020211 unedited

```

ATAGGGCGCGCCGCAATTCGCACGAGGGACGAGCGGGCGCCCCGACCCCTTCTCTCC
CGCAGCCCCGCCAGCGCCACCCCCGCGGGCCGAGGGGCTCATGCAGCCGCAAGGGAG
AGGCTAGTGGTAACAGGCCGAGCTGGATGGATGGGTATGGGGAGAGGGGACGACGTTCA
GCCCTGGGATTCTGGCCGACCTCGCCTTCTTCTCTGCAGCTTCCCCGAGCCACCTCC
CCGTGCAAGATCCTCAAGTGAACCTCTGAGTTCTGGAGCGCCACGTGGGCAGCCACGCC
CCAGCCTCAGACGACACCCCCGAGTTCTGTGCAGCCTTGCAGCTACGCCCTGTGCACG
CGGCGGACGCCCCGACCTGCCGGGTGACCTGGCCTACCCTCGGCCGTCATGGCATA
GAGGACCTCATGAGCCAGCACAACTGCTCCAAGGATGGCCCCACCTCGCAGCCACGCCTG
CGCACGCTCCCACCGCCGGAGACAGCCAGGAGCGCTCGGACAGCCCCGAGATCTGCCAT
TACGAGAAGAGCTTTACAAGCACTCGGCCACCCCCAACTACACGCACTGTGGCCTTTC
GGGGACCCACACCTCAGGACTTTACCAGCCGCTTCCAGACCTGCAAGGTGCANGGCGCC
TGGCCGCTCATCGNACATAATTACCTGAACGTGCAGGTACCAACACGCCTGTGTGCC
GGCTCAGCGGNCCTGCCACCAGCAAGCTCACCATCATCTGCAAGAACTCANGAGTGTG
TGGACCANAAGGTGTACCANGCTGAGATGGACGAGCTNCCNGNCNCTTCGTGGATGGCT
CTANNAACGTGGGGACATGCACGGGGCCACAGCCTGNAGATCACTGAGAAGGGGTCAG
CCACACTTGGAGATCCAGNCCAGTACTTNGACACCATA
    
```


Gene Summary:

This gene encodes a member of the repulsive guidance molecule family. The encoded protein is a glycosylphosphatidylinositol-anchored glycoprotein that functions as an axon guidance protein in the developing and adult central nervous system. This protein may also function as a tumor suppressor in some cancers. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Transcript Variant: This variant (4) 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 (3) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.