

## Product datasheet for **MR217398**

### **Rbms3 (NM\_001172121) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rbms3 (NM_001172121) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rbms3
Synonyms:	6720477E09Rik; 8430436O14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR217398 representing NM\_001172121  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGAGGGCGACTTCTCATTCCGAGCAATGCTAATGGAGTCACTCAGTCCAACTCCACAGTGAGAG  
 CCTATCAAAGCAGCAAGTACGAGTGACCATGAGCCCTGGTTTCAGCTCCAGTGAGCAACAGCCAACC  
 TGCTTGGAAACATACTCCTTCCCAAGAGCGAGCTTACACTACAGTCTCATGCCAGCTATACACTGTC  
 ACTGGCCACCCCGTGTCTATGCACCAGCTCCCCACCCATGGCTCCTCCAGCCCCAGCACAAACAGCA  
 GCAGCAACAGCAGCGGGAACAGTTGAGTAAGACAAACCTATACATCCGAGGACTTCCACCAGGCACCAC  
 TGACCAGGACCTCATCAAGCTATGTCAACCGTATGAAAAATCGTATCCACAAAGGCAATTCTTGACAAG  
 AATACGAATCAGTGCAAAGGTTATGGTTTTGTAGATTTTGATAGTCTGCAGCCGCACAGAAAGCAGTGG  
 CGTCCTTGAAGGCAAATGGCGTGAAGCACAGATGGCCAAGCAACAAGAGCAAGACCCTACGAATCTATA  
 CATCTCAAACCTTCCCATCTCCATGGATGAGCAGGAGCTGGAGAACATGCTAAAGCCCTTTGGACACGTG  
 ATATCCACCAGAAATCCTGAGGGATGCTAACGGAGTCAAGAGGGCGTGGCTTTGCCAGAATGGAGTCTA  
 CGGAAAAATGTGAAGTGGTGATTCAACATTTTAAATGAAAAATATCTGAAAAACACCACCAGGCATCCCAGC  
 CCCAGTGAGCCTTTGCTGTGCAAGTTTGTGACGGAGGACAGAAAGAGACAGGGTCAAGCAAGCAC  
 ACCCAGAACGGGAGGCCATGGCCAGAGAAGGAGAGGCTGGCATGGCTCTGACCTATGACCCACAGCTG  
 CCCTACAGAACGGATTTTATTCTTACCCTGACAGTCTCGCAACCAACCGCATGATCCCACAGACATCTAT  
 CACGCCCTTATTGCCGCTTCCCTGTCTCCACATACCAGGCTGTGTGATCACACCCGCGTGGACCAC  
 CCCATGTCAATGCAGCCAACTAACATCGTGGTCCCCTGACGCAGCAGATGAACCATCTTCCCTGGGGA  
 CAGCAGGAACGATTCAATCCCAAGACAGAATTATGGTACTTACCAGCTGTTATGTCAGTATGACTGTC  
 TGCTCCTATGCAAGGGACCTACATTCCCAGTACACGCCTGTGCCTCCGACAGCTGTTTCTATTGAAGGT  
 GTTGTGCTGATACCTCTCCCAGACGGTGGCCCCCTCATCCCAGGACAGCAGTGGTCAAGCAACAGT  
 TAGCAGTGGACACCCAGTGAACACGCACCGGCATACTCCTTCCAACAGTCCAAACCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217398 representing NM\_001172121  
 Red=Cloning site Green=Tags(s)

MEGGRLLIRSNANGVTQSNSTVRAYQSSKSRVTMSPGFSSQWSNSQPAWNTYSFPRASLHYQSHASYTYC  
 TGHPVSYAPAPHPMAPPSPSTNSSSSGEQLSKTNLYIRGLPPGTTDQDLIKLCQPYGKIVSTKAILDK  
 NTNQCKGYGFVDFDSPAQAQKAVASLKANGVQAQMAKQEQDPTNLYISNLPISMDEQELENMLKPFQGHV  
 ISTRILRDANGVSRGVGFARMESTEKCEVVIQHFNGKYLKTPPGIPAPSEPLLCKFADGGQKRRQGSKH  
 TQNGRPWPREGAEMALTYDPTAALQNGFYSSPYSLATNRMIPQTSITPFI AASPVSTYQGAVITPAVDH  
 PMSMQPTNIVGPLTQQMNHLSLGTAGTIQSQDRIMVLHQLLCQYMTAAPMQGTYIPQYTPVPPTAVSIEG  
 VVADTSPQTVAPSSQDSSGQQQLAVDTPSEHAPAYSFQQSKP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001172121

**ORF Size:** 1389 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

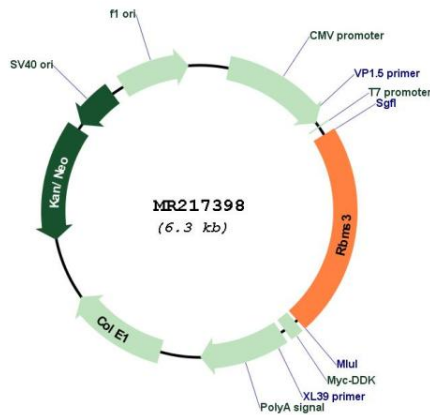
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001172121.1](#), [NP\\_001165592.1](#)  
**RefSeq Size:** 7409 bp  
**RefSeq ORF:** 1392 bp  
**Locus ID:** 207181  
**UniProt ID:** [Q8BWL5](#)  
**Cytogenetics:** 9 F3  
**MW:** 50.5 kDa  
**Gene Summary:** Binds poly(A) and poly(U) oligoribonucleotides.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR217398