

## Product datasheet for **MG203518**

### **Rbm7 (NM\_144948) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rbm7 (NM_144948) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rbm7
Synonyms:	1200007M24Rik; 1500011D06Rik; AU041934; AW554393
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203518 representing NM_144948 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGCGGGCCGCGCAGAGGCCGACCGCACTCTGTTTCGTGGGTAACCTGGAGACGAAGGTGACAGAGG  
AGCTCCTCTTCGAGCTGTTCCACCAGGCTGGGCCGTAATAAAAGTGAAAATCCCGAAAGATAAAGATGG  
CAAAGTGAAGCAGTTTGCATTTCGTAACCTCAACATGAAGTGTCTGTTCCCTATGCCATGAATCTGCTC  
AACGGAATCAAATTTTCGGGAGGCCTATCAAATTCAGTTTAGATCAGGAAGCAGTCACGCCTCTCAGG  
ATGCCAGTGTGCATATCCCAGCATCATGTTGGAAATTAAGCCCAACCTCCACATCTCCTAACAGCTA  
TGAAAGGACAGTGGGTAACGTGTCTCCGACAGCTCAGATGGTCCAGAGGTCTTTTCTTCCAGAAGAT  
TATCAGCGCAAGCAGTATGAACAGTGTTCAGACAGATGTCATATGCTGGGAAATTTGGTTCTCCAC  
ATGCGGATCAGTTGGGATTTTCACCATCAGCTCAACCACATGGCCATACCTTTAACCAAGTCTTCCAGCTC  
CCAGTGGCGCAAGATGCACTGTGCATCAGCGTAAAAGACAGAATTCTCACCCCTACCTAGCAGATAGA  
CACTATAGCCGTGAGCAGCGCTACTCTGACCATGGGTCTGACTATCATTACAGAGGCAGCCGAGAGGATT  
TCTACTATGACGACAGGGATCATGATGGCTGGGCCATGACTATGATAACAGAAGGGACAGTAGTAGAGG  
TGGGAAGTGGCCCTCATCCAGACAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203518 representing NM\_144948  
 Red=Cloning site Green=Tags(s)

MGAAAAEADRTL FVGNLETKVTEELL FELFHQAGPVIKVKIPKDKGKLGKQFAFVNFKHEVSVPYAMNLL  
 NGIKLFRPIKIQFRSGSSHASQDASVSYPOHHVGNLSPTSTSPNSYERTVGNVSPTAQMVQRSFSSPED  
 YQRQAVMNSVFRQMSYAGKFGSPHADQLGFSPSAQPHGHTFNQSSSQWRQDALSSQRKRQNSHPYLADR  
 HYSREQRYSDHGSDYHYRGSREDFYYDDRDHDGWSHDYDNRDRSSRGGKWPSSRH

TRTRPLE - GFP Tag - V

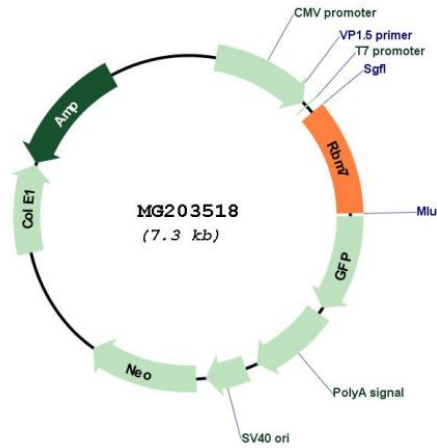
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_144948

**ORF Size:** 795 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_144948.2</a> , <a href="#">NP_659197.2</a>
<b>RefSeq Size:</b>	1774 bp
<b>RefSeq ORF:</b>	798 bp
<b>Locus ID:</b>	67010
<b>UniProt ID:</b>	<a href="#">Q9CQT2</a>
<b>Cytogenetics:</b>	9 A5.3
<b>Gene Summary:</b>	Subunit of the trimeric nuclear exosome targeting (NEXT) complex, a complex that directs a subset of non-coding short-lived RNAs for exosomal degradation. The RNA exosome is fundamental for the degradation of RNA in eukaryotic nuclei. Substrate targeting is facilitated by its cofactor MTREX, which links to RNA-binding protein adapters. Possible involved in germ cell RNA processing and meiosis.[UniProtKB/Swiss-Prot Function]