

## Product datasheet for **MG216431**

### **Rbms1 (NM\_001141931) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rbms1 (NM\_001141931) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Rbms1  
**Synonyms:** 2600014B10Rik; AI255215; MSSP-1; MSSP-2; MSSP-3; YC1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG216431 representing NM\_001141931  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATCTTCCCCAGCGGCAGCGGCCACCCCGCGCTGCCGGCGGCTGCAGGACGCCCTACCGCAAGCAGC  
 AGTCTCTGGTCCCAGCACACCCCATGGCCCCACCCAGTCCCAGCACACCAGCAGTAATAACAACAGTAG  
 CAGCAGTAGCAACTCAGGATGGGATCAGCTGAGCAAGACAACCTCTACATCCGAGGCCTGCCCCCAAT  
 ACCACTGATCAAGACCTGGTGAAGCTCTGCCAACATATGGGAAGATCGTGTCCACAAGGCGATTTTGG  
 ATAAGGCCACCAACAAGTGCAAAGTTATGGTTTTGTTGACTTTGACAGTCCTGCAGCAGCCAGAAAGC  
 TGTCTCCGCCCTGAAGGCGAATGGAGTCCAGGCTCAGATGGCAAAGCAACAGGAACAAGATCCTACCAAC  
 CTGTACATTTCTAACCTGCCGCTGTCCATGGATGAGCAGGAACCTGAAAAATATGCTCAAACCCCTTTGGAC  
 AAGTTATTTCTACAAGGGTCTACGTGATTCCAGTGGTGCAGCCGTTGGTGTGGCTTTGCCAGGATGGA  
 ATCAACGGAAAAATGCGAAGCTGTAATTTGGTCATTTTAAATGGAAAATTCATCAAGACCCACCAGGAGTT  
 TCTGCTCTACAGAACCTTTACTGTGCAAGTTTGCAGTGGAGGACAGAAAAAGAGACAGAACCCAAACA  
 AGTACATCCCTAACGGGCGGCCATGGCCAGAGATGGAGAGGCTGGAATGACACTCACTTATGACCCGAC  
 TACAGCTGCTCTACACAACGGATTTTATCCTTCACCATACAGTATTGCCACAAACCGAATGATCACTCAA  
 ACTTCTTACACCCTATATTGCATCTCCTGTATCTGCCTACCAGGTGCAGAGCCCTCTTGGATGCAGC  
 CTCAGCCGTACATTCGACGATCCTGGTGCCTGTTAACTCCCTCAATGGAACATACCATGTCACTACA  
 ACCTGTTCCATGATCAGCCCTCTGGCTCAGCAGATGAGTCATCTGTCACTGGGCAGCACCGGAACATAC  
 ATGCCTGCAACATCAGCCATGCAAGGAGCCTACTTGCCACAGTATACACATGCAGACCGCGGCGGTGC  
 CCGTTGAGGAAGCAAGTGCCAGCAGCAGGTGGCTGTGGAGAGCTAATGACCATTCTCCATATACCTT  
 TCCACCCAATAAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG216431 representing NM\_001141931  
 Red=Cloning site Green=Tags(s)

MIFPSGSGHPGAAGGCRTPYRKQQLVPAHPMAPPSPSTTSSNNNSSSSNSGWDQLSKTNLYIRGLPPN  
 TTDQDLVKLCQPYGKIVSTKAILDKATNKCKGYGFVDFDSPAQAQKAVSALKANGVQAQMAKQQEQDPTN  
 LYISNLPLSMDEQELNMLKPFQGVISTRVLRDSSGASRGVGFARMESTEKCEAVIGHFNKFKIKTPPGV  
 SAPTEPLLCKFADGGQKKRQNPKNYIPNGRPWPRDGEAGMTLYDPTTAALHNGFYSPYSIATNRMITQ  
 TSLTPYIASPVSAAYQVQSPSWMQPQPYILQHPGAVLTPSMEHTMSLQPASMSPLAQQMSHLSLGSTGT  
 MPATSAMQGAYLPQYTHMQTAAVPVEEASGQQQVAVETSNDHSPYTFPPNK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001141931

**ORF Size:** 1203 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:**

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\\_001141931.1](#), [NP\\_001135403.1](#)

**RefSeq Size:** 2495 bp

**RefSeq ORF:** 1206 bp

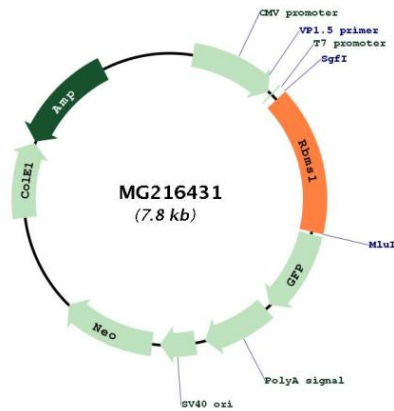
**Locus ID:** 56878

**UniProt ID:** [Q91W59](#)

**Cytogenetics:** 2 C1.2

**Gene Summary:** Single-stranded DNA binding protein that interacts with the region upstream of the MYC gene. Binds specifically to the DNA sequence motif 5'-[AT]CT[AT][AT]T-3'. Probably has a role in DNA replication.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG216431