

Product datasheet for **MG205707**

Rbms1 (NM_020296) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbms1 (NM_020296) 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:	>MG205707 representing NM_020296 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCACCCAGTCCCAGCACCACCAGCAGTAATAACAACAGTAGCAGCAGTAGCAACTCAGGATGGG
ATCAGCTGAGCAAGACAAACCTCTACATCCGAGGCCTGCCCCCAATACCACTGATCAAGACCTGGTGAA
GCTCTGCCAACCATATGGGAAGATCGTGTCCACAAAGGCGATTTGGATAAAGCCACCAACAAGTGCAA
GGTTATGGTTTTGTTGACTTTGACAGTCTGCAGCAGCCAGAAAGCTGTCTCCGCCCTGAAGGCGAATG
GAGTCCAGGCTCAGATGGCAAAGCAACAGGAACAAGATCCTACCAACCTGTACATTTCTAACCTGCCGCT
GTCCATGGATGAGCAGGAACCTGAAAATATGCTCAAACCCCTTTGGACAAGTTATTTCTACAAGGGTCCCTA
CGTGATTCCAGTGGTGCCAGCCGTGGTGTGGCTTTGCCAGGATGGAATCAACGGAAAAATGCGAAGCTG
TAATTGGTCATTTAATGGAAAATTCATCAAGACCCACCAGGAGTTTCTGCTCCTACAGAACCTTTACT
GTGCAAGTTTGGGATGGAGGACAGAAAAAGAGACAGAACCCAAACAAGTACATCCCTAACGGGCGGCCA
TGGCCAGAGATGGAGAGGCTGGAATGACACTCACTTATGACCCGACTACAGCTGCTCTACACAACGGAT
TTTATCCTTCACCATACAGTATTGCCACAAACCGAATGATCACTCAAACCTCTCTACACCTATATTGC
ATCTCCTGTATCTGCCTACCAGGTGCAGAGCCCTCTTGGATGCAGCCTCAGCCGTACATTCTGCAGCAT
CCTGGTGCCGTGTTAACTCCCTCAATGGAACATACCATGTCACACTACAACCTGCTTCCATGATCAGCCCTC
TGGCTCAGCAGATGAGTCATCTGTCACTGGGCAGCACCGGAACATACATGCCTGCAACATCAGCCATGCA
AGGAGCCTACTTGCCACAGTATACACATGCAGACCGCGGCGGTGCCGTTGAGGAAGCAAGTGCCAG
CAGCAGTGGCTGTGGAGACGTCTAATGACCATTCTCCATATACCTTTCCACCCAATAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205707 representing NM_020296
 Red=Cloning site Green=Tags(s)

MAPPSPSTTSSNNSSSSNSGWDQLSKTNLYIRGLPPNTTDQDLVKLCQPYGKIVSTKAILDKATNKCK
 GYGFVDFDSPAQAQKAVSALKANGVQAQMAKQQEQDPTNLVISNLPLSMDEQELNMLKPFQVISTRVL
 RDSSGASRGVGFARMESTEKCEAVIGHFNGKFIKTPPGVSAPTEPLLCKFADGGQKKRQNPKNKYIPNGRP
 WPRDGEAGMTLYDPTTAALHNGFYSPYSIATNRMITQTSLTPYIASPVSAQVQSPSWMQPQPYILQH
 PGAVLTPSMEHTMSLQPASMISPLAQQMSHLSLGGTGYMPATSAMQGA YLPQYTHMQTAAPVVEEASGQ
 QQVAVETSNDHSPYTFPPNK

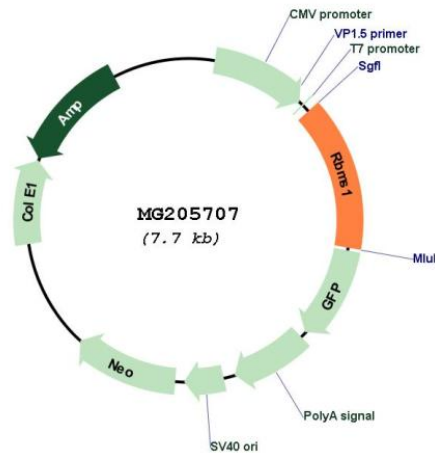
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_020296

ORF Size:	1110 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:	NM_020296.1 , NP_064692.1
RefSeq Size:	1650 bp
RefSeq ORF:	1212 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]