

Product datasheet for **MG203795**

Rdm1 (NM_025654) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rdm1 (NM_025654) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rdm1
Synonyms: 2410008M22Rik; AW212028; Rad52b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203795 representing NM_025654
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGTTGATCTCTTTTCGTAGTCCACCCAGAGCGACAAAGTTTTGTTGGTGTGGGATCTGAGCA
CTGGGCCCCAGCCGAAGCCTTAAGTCATTCTCTGTTACAGTGTCTCTCAGTTTGGCCTTCTGTATTC
AGTCCGAGTCTTCCGAACGCTGCAGTGGCTCGTCTGGTTTCTACGCCATCATCAAGTTTTACTCCTCG
CGGGACGCACAGAGAGCCAGAAGGCTTGCATGGGAAACCCCTTTTTCAGACATCACCAGTGAAGGTT
GTCTTGAACAGACACAAGGCACTGCAGCATCAGGCCTTGTCTAAACAGCTCAGATGCCAGGAACT
GGCAATTACTACTTTGGCTTCAGTGGATGGTCGAAAAGGATCATCAAGCTGCAGGAGCTCTCCGGACTG
GAGGATGCAGCTCTCGCTGTGCCATGCAGAAGGGGAGCCCCAGTTCCTCTGCGCTGTAGAGGTGGTGC
TGCCCCCTACGGATGCAGGAGCCCTGGGGTTGGCATCTCTGAGGAGCCTCTGCGCCAGCTGGAGGAAGG
GCAGTCTCGTTTCTTATGAAGAGGAAGACAGCTCAGAAGCTTGCCTTCCAGGCGGCTGTATCAGATGCC
TTCCAGAAGCTGACCATCGTGGTTCTGGAAAGTGGCAGGATCGCGGTGGAGTACAGGCCACGGCGGAGG
ATCTAGATGCCAGAAGTGAAGAAGAGCTGCAGAATTTAATCCAGGTCAGCTGCTCCTCTTGGAGTCAGTC
CAGCCAAAGGGAGGAAGAATGTCTCTCGGATTTTCAGCTGGAGGAGGAAGACCTGAAGCTGTGTATCCG
CAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203795 representing NM_025654
Red=Cloning site Green=Tags(s)

MAELISFVPTQSDKVLVLDLSTGPPAEALSHSLFTVFSQFGLLYSVRVFPNAAVARPGFYAIKIFYSS
 RDAQRAQKACDGKPLFQTSPVKVRLGTRHKALQHAFALNSSRCQELANYYFGFGWSKRIKQLSGL
 EDAALAVPMQKGSPOFLCAVEVLPYPYGRSPGVGISEEPLRQLEEGQSSFLMKRRTAQKLAFAAVSDA
 FQKLTIVVLESGRIAVEYRPTAEDLDARSEEELQNLIQVSCSSWSQSSQREEECLSDFSLSEEDLKLCDP
 H

TRTRPLE - GFP Tag - V

Restriction Sites:

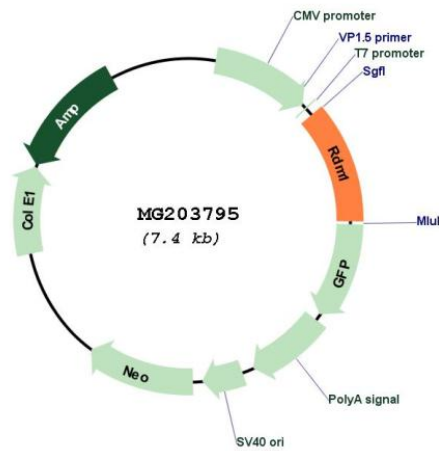
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_025654

ORF Size: 843 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_025654.2
RefSeq Size:	1099 bp
RefSeq ORF:	846 bp
Locus ID:	66599
UniProt ID:	Q9CQK3
Cytogenetics:	11 D
Gene Summary:	May confer resistance to the antitumor agent cisplatin. Binds to DNA and RNA (By similarity). [UniProtKB/Swiss-Prot Function]