

Product datasheet for MR203795

Rdm1 (NM_025654) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rdm1 (NM_025654) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rdm1
Synonyms:	2410008M22Rik; AW212028; Rad52b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203795 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGTTGATCTCTTTTCGTAGTCCACCCAGAGCGACAAAGTTTTGTTGGTGTGGGATCTGAGCA
CTGGGCCCCAGCCGAAGCCTTAAGTCATTCTCTGTTCACAGTGTCTCTCAGTTTGGCCTTCTGTATTC
AGTCCGAGTCTCCCGAACGCTGCAGTGGCTCGTCTGGTTTCTACGCCATCATCAAGTTTTACTCCTCG
CGGGACGCACAGAGAGCCAGAAGGCTTGCATGGGAAACCCCTTTTTCAGACATCACCAGTGAAGGTTT
GTCTTGAACAGACACAAGGCACTGCAGCATCAGGCCTTGTCTAAACAGCTCAGATGCCAGGAACT
GGCAATTACTACTTTGGCTTCAGTGGATGGTCGAAAAGGATCATCAAGCTGCAGGAGCTCTCCGGACTG
GAGGATGCAGCTCTCGCTGTGCCATGCAGAAGGGGAGCCCCAGTTCCTCTGCGCTGTAGAGGTGGTGC
TGCCCCCTACGGATGCAGGAGCCCTGGGGTTGGCATCTCTGAGGAGCCTCTGCGCCAGCTGGAGGAAGG
GCAGTCTCGTTTCTTATGAAGAGGAAGACAGCTCAGAAGCTTGCCTTCCAGGCGGCTGTATCAGATGCC
TTCCAGAAGCTGACCATCGTGGTTCTGGAAGTGGCAGGATCGCGGTGGAGTACAGGCCACGGCGGAGG
ATCTAGATGCCAGAAGTGAAGAAGAGCTGCAGAATTTAATCCAGGTCAGCTGCTCCTCTTGGAGTCAGTC
CAGCCAAAGGGAGGAAGAATGTCTCTCGGATTTACGCTGGAGGAGGAAGACCTGAAGCTGTGTGATCCG
CAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203795 protein sequence
Red=Cloning site Green=Tags(s)

MAELISFVPTQSDKVLVLDLSTGPPAEALSHSLFTVFSQFGLLYSVRVFPNAAVARPGFYAIKIFYSS
 RDAQRAQKACDGKPLFQTSPVKVRLGTRHKALQHAFALNSSRCQELANYFYGFGSWGSKRIKQLSGL
 EDAALAVPMQKGSPLCAVEVLPYPYGRSPGVGISEEPLRQLEEGQSSFLMKRKAQKLAFAAASDA
 FQKLTIVVLESGRIAVEYRPTAEDLDARSEEELQNLIQVSCSSWSQSSQREEECLSDFSLEEEEDLKLCDP
 H

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_025654

ORF Size: 846 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_025654.2](#)

RefSeq Size: 1098 bp

RefSeq ORF: 846 bp

Locus ID: 66599

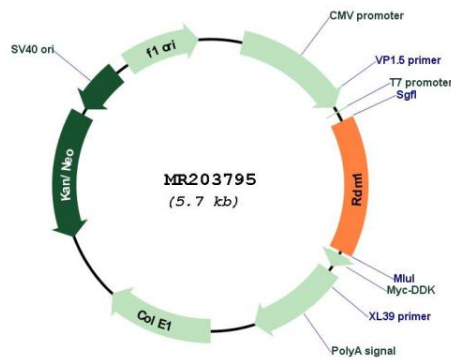
UniProt ID: [Q9CQK3](#)

Cytogenetics: 11 D

MW: 31.2 kDa

Gene Summary: May confer resistance to the antitumor agent cisplatin. Binds to DNA and RNA (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203795