

Product datasheet for **RR202966**

Rdm1 (NM_001105842) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rdm1 (NM_001105842) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rdm1
Synonyms: Rad52b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202966 representing NM_001105842
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGAGTTAATCTCTTTTCGTAGTTCACCCAGAGCGACAAAGTTTTGTTGGTGTGGGAGTTGAGCG
CTGGTCCCCAGCCGAGGCCTTAAGTCATTCTCTGTTCACAGTGTCTCCAGTTTGGCCTTCTGTATTC
AGTCCGAGTCTTCCCGAATGCTGCAGTGGCCGGTCTGGTTTCTACGCCATCGTCAAGTTTTACTCCTCG
AGGGACGCACAGAGAGCCAAAAGGCATGCGACGAAAGCCCTTTTTCAGACATCACCAGTGAAGGTTT
GTCTTGGCACCAGACATAAGGCACTGCAACATCAGGCTTTTGCCTTGAATAGCTCACGGTCCAGGAACT
GGCAAATTACTACTTTGGCTTCAATGGATGGTCAAAAAGGATCGTCAAGCTGCAGGAGCTCTCTGGATTG
GAGGATGCAGCTCTCGCTGTGCCATGCAGAAGCGGAACCCCAAGTTCTTCTGTGCTGTAGAGGTGGTGC
TGCCGGCTACGGGTGCACGAGTCTGGAGTTGGCATCTCTGAGGAGCCTCTGCCTCAGCTGGAGGAAGG
GCAGCCATCGTTTCTTACGAAGAGGAAGACAGCGCAGAAGCTCGCCTTCCAGGCGGCTTTATCAGACGCC
TTCCAGAAGCTGACCATCGTGGTTCTAGAAAGTGGCCGGATCGCGGTGGAGTACAGACCCACAGAAGAGG
ATCTCGATGCCAGAAGTGAAGAAGAACTGCAGAATTTAATCCAGTGGGCTGCTTTCCCTCCAGTCAGTC
CAGCCAAAGGGAAGAAGAATGTCTCTCGACTTCAGCCTGGAGGAGGAAGACCTGAAGCTGTGTGGACTG
CAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202966 representing NM_001105842
Red=Cloning site Green=Tags(s)

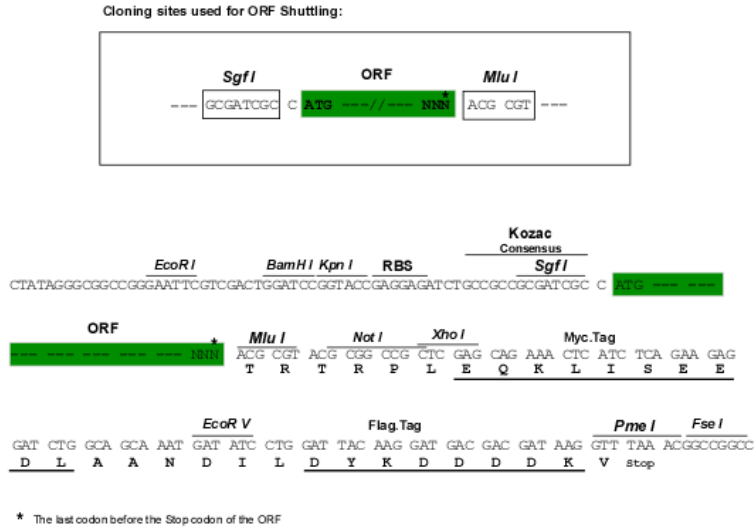
MAELISFVPTQSDKVLVWELSAGPPAEALSHSLFTVFSQFGLLYSVRVFPNAAVAGPGFYAIVKFYSS
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 EDAALAVPMQKRNPQFFCAVEVVLPAYGCTSPGVGISEEPLPQLEEGQPSFLTTRKTAQKLAFQAALSDA
 FQKLTIVVLESGRIAVEYRPTTEEDLDARSEEELQNLIQVGCFFSSQSSQREEECLSDFSLEEDLKLKGL
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

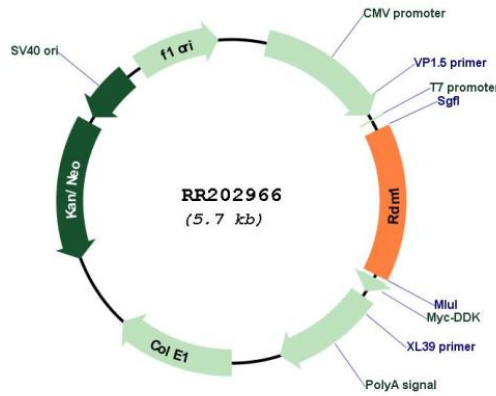
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105842

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_001105842.1 , NP_001099312.1
RefSeq Size:	1124 bp
RefSeq ORF:	846 bp
Locus ID:	287726
Cytogenetics:	10q31-q32.1
MW:	31.1 kDa