

Product datasheet for **RR203233**

Mrm1 (NM_001108832) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrm1 (NM_001108832) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mrm1
Synonyms: RGD1566232
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203233 representing NM_001108832
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTACTCTCTGGACGGTCGGATGCTTCAATCGCCTCGTTGCCGCCATTTCTCTCCGTGGCTCGGC
CCGGGGAGCGCCTGGCGGGGAGGAGCTGAGTCGCTTCTTCTTGATGACCTGGCGCCAGCCAGAGGCT
GGAACGCTGTTTGGCGTGTCCCATGCCTCCTGGCCTTGGGGCCGCCCGCCGACGTGGCCCGGCTC
CTGCTCCAGGCCGTAAGGCTGGACTGCAGGGGAGCGGGCCGAGCTGCTCCGGGTGGCCGAGGCTCGGG
GCATCCCTGTCTTGAGGCCAGCGGCAGAACTGGATGCCTTGTGTGGTACCAGGTGCACCAGGGCGT
GTGCATGGAGGTCAGCCGGCTGCGACCTCGGCCTTGCATGAGGCGGCAGACACGAGCTCAGGCGACGAC
CCTCAGCAACTGTGGCTCGTCTTGAGGGGATCCAGGATCCCCGCAATCTTGGGGCTGTGATGCGCTCCG
CTTACTTCTCGGAGTAGACAGGGTCATCACCAGCCGAGAAACAGCTGTCCGCTTACTCCAGTAGTCAG
CAAGGCCAGCGCTGGGGCCATGGAAGTATGGACGTGTTTCGCTCTCCTGACCTGGCGAGTTTTTTGCAG
GCCAAGGCCAGCAGGGGTGGCTCGTGGTGGGCACGGTGGGCTGCCAGGTCCTGAGATCTCCAGTCTCT
CCAAGTCCCCGTCCTAGCTGCTTAGAGTTCATCTGGACCGGCCACTCTCCTGGTGGGCAATGA
GGGCTCTGGTCTGTCCCAGGGGTTTTCCGACCTGCCAGCTGCTCCTTACCATTCTGCCGACGCCAC
CTGCCTCCCGCCTTGAGTCTTGAATGTGTCTGTGGCTACAGGAATTCTTCTACTACTCCATTTGCAGCC
AGAAGAAGGGTTTCCCTGTACAGGAGAGAGGACAACGTCTCCAAGACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203233 representing NM_001108832
 Red=Cloning site Green=Tags(s)

MLLLWTVGCFNRLVARHFSSVARPGERPGGEELSRLLDDDLAPAQRLERLFGVSPCLLALRAARRHVARL
 LLQAGKAGLQGERAELLRVAEARGIPVLRPRRQKLDALCGYQVHQVGCMEVSRLRPRPCDEAADTSSGDD
 PQQWLVLVLEGIQDPRNLGAVMRSAYFLGVDRVITSRNSCPLTPVVSASAGAMEVMDVFASPDLASFLQ
 AKAQQGWL VVGTVGC PGPEISQSSKVPVTSCLF I WDRPTLLVLGNEGSGLSQGVFATCQLLLTILPGRH
 LPPGLESLNVS VATGILLHSICSQKKGFPVQERQRLQDS

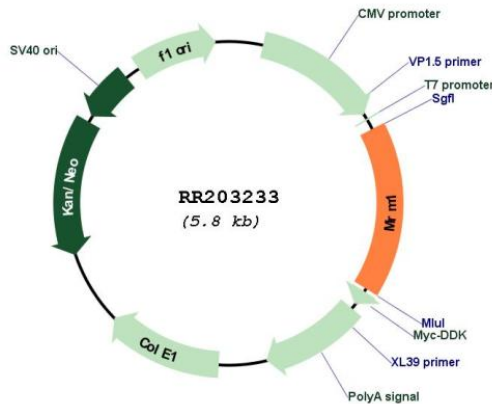
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108832

ORF Size: 960 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_001108832.1 , NP_001102302.1
RefSeq Size:	2856 bp
RefSeq ORF:	963 bp
Locus ID:	363661
Cytogenetics:	10q26
MW:	34.7 kDa