

Product datasheet for **RR206575**

Mrm3 (NM_001108282) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrm3 (NM_001108282) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mrm3
Synonyms: RGD1309077; Rnmtl1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206575 representing NM_001108282
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGCGCCGGCGAAGGGCATGTGGTATTCCCTGGGACCATTGCTGCGGGTGGTCCAGACTCGGGACC
TCGACGCTCGGCCTGGGTCCGGGCGCTCGGGCAAGCCCGGTGAGAGTGTGTTCCCTCGGGACAGGT
GGAGGAACGGAAGCGTGCTCCTGATAAGCAGCCCCGCAAGGCGGTCCCTGAGGCCAGTCCCAGGGACAG
CAACAGAAACAACCTCTTGAGACATCCCCATCCCAGACCCTCACACCTGGGAAGAGGCAGGGCTTCGCT
ACGATAAGGCCTGTCCCGGGGACAGGAGGCTAAGCAGTGTGATGACAATAGTTAAGTCCAGGCCTTTTCG
GGAAAAGCAAGGGAAGATCCTACTGGAAGGTGCGCAGGCTGATTGCAGATGCTCTCAAGGCTGGAGCTGTG
CCAAAAATGTTCTTTTTAGCCGACTGGAGTACATCAAGGAGTTGCCAGTAGATAAGCTGAAAGGTGTCA
GCCTCATTAAGGTGAAATTTGAGGATATCAAGGATTGGTCGGACCTGGTAACGCCACAAGGAATAATGGG
GATTTTTGCCAAACCTGACCCTGTTAAGATGACGTATCCAGAGACTCAGCTTCACCATTCAGTGCCTTA
CTGTTGATTTGTGACAACTCCGTGACCCTGGGAACCTGGGACAATCCTGAGATCTGCAGCTGGAGCAG
GCTGCAGTAAAGTCTTACTCACCAAAGGCTGTGTGGATGCTGGGAACCTAAAGTGCTCCGGGCAGGCAT
GGGGGCACATTTCCAGGTGCCATTGTGAACAATGTGGAATGGGAGACAGTGCCCAATCACTTGCCCCCT
GACACCCGAGTCTATGTGGCAGACAACCTGTGGCTCTATGCCAGGTTCCAGATGTCTAATAAAACCGGTG
ACCGTGACTGGGCATGTGATCGCCGATTCTAAAGTTCATAAGAATGAAGTGGACCTAGACACTAAAGC
CAGAAAAGACTGGCTTCCCAAACCTGAGGTCCAGAGTTATGATCTGGACTGGACTGAAGCACCAGCAGCT
CTGGTGATAGGCGGAGAGACGCATGGGGTAAGCCTGGAGTCCCTGCAATTGGCCGAGAGTACTGGTGGCA
AGAGACTGCTGATCCCTGTTGTACCTGGTGTGGACAGTCTGAATTCAGCCATGGCTGCGAGCATCCTGCT
CTTTGAAGGAAAAGGCAGCTGAGGATAAAGATGGGAGACTTGAGCAGGGACAGTTGTTGCCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206575 representing NM_001108282
 Red=Cloning site Green=Tags(s)

MAAPAKGMWYSLGPLLRVVQTRDL DARRWVRALRRSPVRVLFPSGQVEERKRAPDKQPRKAVPEASSQGQ
 QKQPLETSPSQTPHTWEEAGLR YDKACPGDRRLSSVMTIVKSRPFREKQGKILLEGRRLIADALKAGAV
 PKMFFF SRLEYIKELPVDK LKGVSLIKVKFEDIKDWSDLVTPQGIMGIFAKPDPVKMTPETQLHHSPL
 LLICDNL RDPGNLGTILRSAAGAGCSKVL LTKGCVDAWEPKVL RAGMGAHFQVPIVNNVEWETVPNHLPP
 DTRVYVADNCGLYAQVQMSNKTGDRDWACDRRFLKFHKNEVDLDTKARKDWLPKLEVQSYDLWTEAPAA
 LVIGGETHGVSLESLQLAESTGGKRL LIPVVPGVDSLNSAMAASILLFEGKRQLRIKMGDL SRDSCCH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

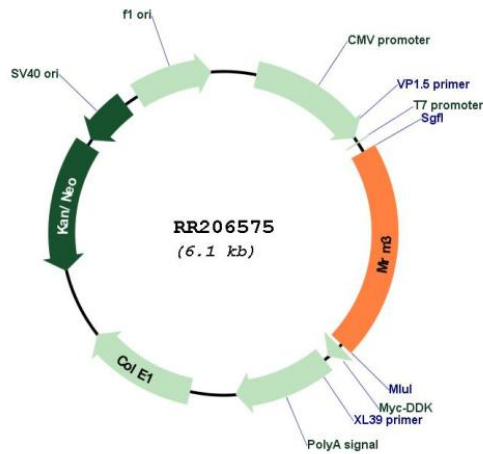
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108282

ORF Size:	1254 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_001108282.1 , NP_001101752.1
RefSeq Size:	1472 bp
RefSeq ORF:	1257 bp
Locus ID:	360569
Cytogenetics:	10q24
MW:	46.7 kDa