

Product datasheet for **RR207900**

Mmp19 (NM_001107159) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp19 (NM_001107159) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mmp19
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR207900 representing NM_001107159
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTGGCAGCAGCTGTGGCTGGCCTTCTTACTTCCTGTGACAGTCTCAGGCCGGCTCTGGGGCCTG
 CAGAGAAGGAGGCGGTGGTGGATTACCTGTTGAGTATGGGTATCTACAGAAACCTCGGAAGGAGCTGA
 TGACTTACAGGCTAGAAGATATCACAGAGGCTCTAAGAAGTTCCAGGAAGCATCTGAACTGCCTGTTTCC
 GGTGAGATGGATGATGCCACAAGGGCCCGTATGAAGCAGCCCGTTGTGGCCTGGAGGATCCTTTCAACC
 AGAAGACTCTGAAATACCTGCTTCTGGGCCACTGGAGAAAGAAGCACTTGACATTCGCGATCTTGAACGT
 GCCCTCCACCCTCTACCCTCCAGAGTCCGAGCAGCCCTGCATCAAGCCTTAAAGTATTGGAGCAATGTA
 GCCCCCTGACCTCCGGGAGGTGAAAGCTGGTGGGCTGATATCCGCCTCTCGTTCATGGCCGCCAAA
 GCCCACTGCTCCAACAGCTTTGATGGCCTGGGAAGGTCTGGCCATGCTGACGTCCAGAGCTTGG
 CAGTGTACTTTCGATAACGATGAATTCGGACCAGGGCACCTACCAGGGAGTGAACCTACGCATCATT
 GCGGCCATGAGGTGGGCCACGCCCTGGGACTTGGGCATTCCCGATATACCCAGGCACTCATGGCGCCTG
 TTTACGCTGGCTACCAGCCCTACTTCAGGCTGCATCCGGATGATGTGGCAGGGATCCAGGCGCTCTATGG
 CAAGAGGAGGCCGAGCCAGAAGATGAGGAGGAAGAGGTGGAGATGCACACTGTGTCAACAGTGACCACA
 AAACCCAGTCCCATGCCAAACCCCTGCAGCAGTGAAGTGGATGCCATGATGCTAGGGCCTCGGGGAAGA
 CCTATGCTTTCAAGGGTGACTATGTGTGGACTGTAAACAGATTCAAGGGCCAGGGCCCTTGTCCGAGTGT
 TGCCCTTTGGGAGGGCTTCTGGAAACCTGGATGCTGCTGTCTACTCTCCCGGACACAGCGGACTCAT
 TTCTTCAAGGGAACAAGGTGTGGCGGTATGTGGATTCAAGTTGCTCCTGGCTTTCCATGAACTCA
 ACAGAGTGAACCAACCTAGATGCAGTCTCTATTGGCCTGTTAATCAGAAGGTTCCTTTTTAAGGG
 CTCAGGATACTGGCAATGGGATGAAGTCAAGCAACTGACCTCAGTCGCTACCCAAACCAATCAAGGAA
 CTTTTACTGGAGTGCCAGACCAACCTCAGCAGCTATGAGCTGGCAAGATGGCCAAAGTCTACTTCTTCA
 AGGGCAAAGAGTACTGGCGCCTTAACAGCAACTTCGAGTGGCAAAGGGCTATCCAGAAAATACGACACA
 CTGGATGCACTGTAGTCTCGGACTCCAGACACTAACTCATTAACTGGGGATGTGACCACTCCTGCAACC
 GTGGAATCAGTCTGGATGTTCCCTCTGCCACAGAGCTGCCTCCCTCTCATCCTCAGCTAATGTACCT
 TGCTAGGGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207900 representing NM_001107159
 Red=Cloning site Green=Tags(s)

MDWQQLWLAFLLPVTVSGRALGPAEKEAVVDYLLQYGYLQKPLEGADDFRLEDITEALRTFQEASELPVS
 GQMDDATRARMKQPRCGLEDPFNQKTLKYLGLHWRKKHLTFRILNVPSTLSPSRVRAALHQAFKYWSNV
 APLTFREVKAGWADIRLSFHGRQSPYCSNSFDGPGKVLAHADVPELGSVHFDNDEFWTEGTYQGVNLRII
 AAHEVGHALGLGHSRYTQALMAPVYAGYQPYFRLHPDDVAGIQALYGKRRPEPEDEEEVEMHTVSTVTT
 KPSPMPNPCSSEVDAMMLGPRGKTYAFKGDYVWVTDSGPGPLFRVSALWEGLPGNLDAAVYSPRTQRTH
 FFKGNKVWRYVDFKLSPGFPMKLNRVENLDAALYWPVNQKVFLLFKGSGYWQWDELTRTDLSRYPKPIKE
 LFTGVPDQPSAAMSWQDQVYFFKKGKEYWRLNQLRVAKGYPRNTHWMHCSRPPTDNTSLTGDVTPAT
 VESVLDVPSATDAASLSSANVTLLGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

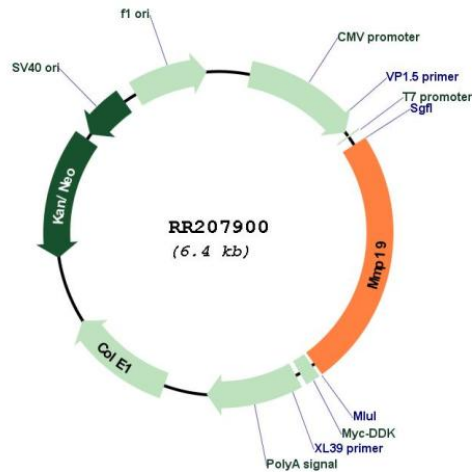
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001107159

ORF Size: 1551 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_001107159.1](#), [NP_001100629.1](#)

RefSeq Size: 2006 bp

RefSeq ORF: 1554 bp

Locus ID: 304608

Cytogenetics: 7q11

MW: 58.3 kDa