

Product datasheet for **RR213950**

Mmp15 (NM_001106168) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp15 (NM_001106168) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mmp15
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR213950 representing NM_001106168
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCAGCGACCGGAGCGCACTCGGACGGCCAGGCTGCGCTGGCAGCTGCCTCAGCAGTCGAGCTTCGC
TGCTCCTGCTGCTACTGGTGCTTCTGGACTGCCTGGGCGGCGGTACAGCGTCTGAAGACGCCGAAGTATA
CGCCGCTGAGAACTGGCTGCGACTCTATGGCTACCTACCCAGCCTAGCCGCCACATGTCCACCATGCGT
TCTGCCAGATCCTGGCTTCTGCCCTTGCCGAGATGCAGAGTTTCTATGGGATCCCTGTACGGGTGTGC
TTGATGAAGAGACAAAAACGTGGATGAAGCGACCCCGCTGTGGGTTCTGATCAGTTTGGGGTACGTGT
GAAAGCCAACCTGCGGCGGCGGAGGCGTTACACCCTGACAGGAAAGACATGGAGCAACTACCATCTG
ACCTTCAGCATCCAGAACTACACAGAGAAGCTGGGCTGTTACAACCTCAATGGAGGCGGTGCGCAGGGCTT
TCCAAGTGTGGGAGCAGTACGCCCTTGGTCTTCCAGGAAGTACCCTATGACGACATTCGGCTGCGAAG
GGGAGCGGAGGCTGACATCATGGTACTCTTGGCTCTGGCTTCCATGGCGACAGCTCACCGTTTGTATGGC
GTGGGTGGCTTTCTGGCCACGCCTATTTCCCGGCCCTGGTCTGGGTGGGGACACCCATTCGACGCAG
ATGAACCTGGACCTTCTCCAGCACTGACCTGCATGGAATCAGCCTCTTCTGGTGGCTGTGCATGAGTT
GGGCCACGCACTAGGACTGGAGCACTCAAGCAACCCAGCGCTATCATGGCACCTTCTACCAGTGGATG
GACACTGACAACCTCCAGCTGCCGAGGATGACCTTGGGGCATCCAGCAGCTGTATGGTCCCCAGATG
GTAAGCCACAGCCACCCGGCTCTCCCAACGGTGAAGCCAGAGAGGCCCCCAACCAGGGCCCCACCC
ACCTCGGCCTCCCAAGCCACCATCCAGTGGGAAGCCAGAGAGGCCCCCAACCAGGGCCCCACCC
CAGCCCCGAGCCACAGAGAGGCTGACCACTATGGCCCAACATCTGCGATGGCAACTTCGACACAGTGG
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GGACAACCTACCCATGCCAATTGGCCACTTCTGGCGTGGCTGCCTGGGAACATTAGTGTGCCTATGAA
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CATGGAGACCCTGGTACCCCAAGCCCATCAGTGTCTGGCAAGGGATCCCAACTCTCCCAAGGGGCT
TCCTCAGCAACGATGCAGCCTACACCTACTTCTACAAGGGCACCAAGTACTGGAAATTCAACAACGAGCG
CCTGCGGATGGAACCCGGCCACCCAAATCCATCCTGCGGACTTCATGGGCTGCCAGGACACGTGGAG
CCCCGATCGCGATGGCCGATGTGGCTCGTCCGCCCTTCAACCCCAACGGGGTGCAGAGCCTGAGACAG
AGGATGACAGCAAGGAAGAGGATGTGGGAGACAAGGATGAGGGCAGCCGCGTGGTGGTGCAGATGGAGGA
GGTGGTTCGGACAGTGAACGTGGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
GCTTTCGCTCTGGTGCAGATGCAGCGCAAGGGCGCACCCCGCATGCTGCTCTACTGCAAGCGCTCGCTGC
AGGAGTGGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213950 representing NM_001106168
 Red=Cloning site Green=Tags(s)

MGSDRSALGRPGCAGSCLSSRASLLLLLLVLDCLGGGTASEDAEVYAAENWLRLYGYPQPSRHMSTMR
 SAQILASALAEQSFYGIPTVGLDEETKTWMKRPRCGVPDQFGVRVKANLRRRRRYTLTGKTWSNYHL
 TFSIQNYTEKLGWYNSMEAVRRAFQVWEQVTPLVFQEVYDDIRLRRRAEADIMVLFASGFHGDSSPFDG
 VGGFLAHAYFPGPGLGGDTHFDADEPWFSSDHLHGISLFLVAVHELGHALGLEHSSNPASAIMAPFYQWM
 DTDNFQLPEDDLRGIQQLYGSPDGKQPTRPLPTVRRPRGRPDHQP RPPQPPHPGGKPERPPKPGPPP
 QPRATERPDQYGNICDGNFDTVAVLRGEMFVFKGRWFRVRHNRVLDNYPMPIGHFWRGLPGNISAAAYE
 RQDGHFVFFKGNRYWLFREANLEPGYPQLSSYGTDIPYDRIDTAIWWEPTGHTFFFQADRYWRFNEETQ
 HGDPGYPKPIVWQGI P NSPKGAFLSNDAAITYFYKGTKYWKFNNERLRMEPGHPKSILRDFMGCQEHEV
 PRSRWPDVARPPFNPNGGAEPETEDDSKEEDVGDKDEGSRVVVQMEEVVTVNVVMVLVPLLLLLCILGL
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

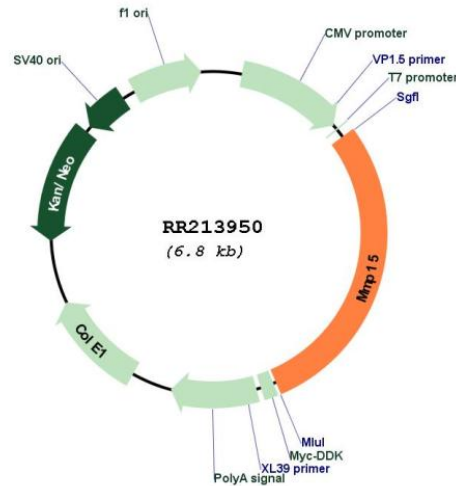
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106168

ORF Size: 1971 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_001106168.2](#), [NP_001099638.1](#)
RefSeq Size: 3818 bp
RefSeq ORF: 1974 bp
Locus ID: 291848
Cytogenetics: 19p13
MW: 74.8 kDa