

Product datasheet for **RR203334**

Mpp6 (NM_001134982) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpp6 (NM_001134982) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mpp6
Synonyms:	MGC189400
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR203334 representing NM_001134982
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCAAGTTTTGAAAAACCTTACAGAGCTGCCTCATCTACAGGAGCAGAAGAAATAGACCTAATTT
 TCCTCAAGGGGATTATGGAGAATCCATTGTGAAATCACTTGCTAAGGCTCACGAGAGACTGAAGATTC
 AAAATTAGAAGCTGTCAGTGACAATAAATTGGAATTAGTGAATGAAATCTTGAAGATATCACTCCTCTC
 ATAAGTGTGGATGAAAATGTGGCAGAAGCTGGTGGTATACTCAAGGAGCCTCACTTCCAGTCGCTCCTGG
 AGGCCCATGATATTGTGGCATCAAAGTGTATGAATCGCCGCTTCAAGCCAGAAATGAATATTCCTTC
 TCTCAATAATCAGTTATTGCCAGTGGACGCCATCCGATTCTCGGTATTCACAAAAGAGCTGGAGAGCCA
 TTGGGTGTAACATTCAGGGTTGAAAATAATGATCTGGAATTGCCGAATCCTTCATGGAGGAATGATAG
 ATCGACAAGTCTGCTTCATGTGGGAGATATCATTAAAGGAAGTCAATGGTCATGAGGTTGAAAACAACCC
 AAAGGAATTACAAGAATTATTGAAAAATATTAGTGAAGCGTCACCTAAAAATCTTACCAAGTTACAGA
 GATACTATTGCTCCTCAGCAGGTTTTGTCAAGTGCATTTTGATTATAATCCATTCAATGATAACCTGA
 TACCCTGCAAAGAAGCTGGACTGAAGTTTTCAAAGGAGAAATCTTCAGATTGTAATAGAGAAGACCC
 AAATTGGTGGCAGGCTAGCCATGTGAAAGAGGGAGGAAGTCTGGTCTGATTCCAAGCCAGTTCTTGAA
 GAGAAAAGAAAAGGCATTTGTTCCGAGAGATTGGGACAATTCAGGACCCTTTTGTGGAAGTATAAGCAACA
 AGAAAAAGAAAAGATGATGTACCTCACAAACAGGAATGCAGAGTTTGATCGGCATGAAATTCAGATCTA
 TGAGGAAGTAGCAAAAATGCCACCCTCCAGCGGAAAACATTAGTGTGATCGGAGCTCAAGGTGTGGGC
 AGAAGGAGTTGAAAAACAGGTTTCACTAGTACTGAATCTGCTAGATTTGGAACAACAGTCCATTTACTT
 CACGGAAGCCAAGAGAAGACGAAAAGGATGGGCAAGCATATAAATTTGTGTCCCGATCAGAGATGGAAGC
 AGATATTAAGCTGGGAAGTATCTGGAGCATGGGGAATATGAAGGGAACCTGTATGGAAGTAAAGATCGGC
 TCCATTCTCGACGTCGTCAAACCGGACGACTTGCATTTTGGATGTTAATCCACAGCACTGAAGGTGC
 TCGCGACCTCCGAGTTTACGCTTACGTTGTTTATTGCTGCTCCAGAGCTAGAGACTTTGCGTGCCAT
 GCACAAGGCTGTGGTGGACGCAGGAATCACCAAGCTTTTACGCGACTCTGACTTGAAGAAAACGGTG
 GATGAAAGTGCCCGGATTCAGAGAGCATACAACCACTACTTTGATTTGATCATCGTAAATGACAATCTAG
 ACAAGCCTTTGAGAACCTACAACTGCCATTGAGAACTGAGGACGGAGCCACAGTGGTCCCCATTAG
 CTGGGTGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203334 representing NM_001134982
 Red=Cloning site Green=Tags(s)

MQQVLENLTELPSSTGAEEIDLIFLKGIMENPIVKS LAKAHERLEDSKLEAVSDNNLELVNEILEDITPL
 ISVDENVAELVGILKEPHFQSLLEAHDIVASKCYESPSSPEMNIPSLNNQLLPVDAIRILGIHKRAGEP
 LGVTRFVENNDLVIARILHGGMIDRQGLLHVGDIIKEVNGHEVGNPKELQELLKNI SGSVTLKILPSYR
 DTIAPQQVFKCHFDPNPFNDNLIPCKEAGLKF SKGEILQIVNREDPNWWQASHVKEGGSAGLIPSQFLE
 EKRFKAFVRRDWDNSGPF CGTISNKKKKMMYL TTRNAEFD RHEIQIYEEVAKMPPFQRKTLV LIGA QGVG
 RRSLKNRFIVLNPARFGTTPFTSRKPREDEKDGQAYKFVSRSEMEADIKAGKYLEHGEYEGNLYGTKIG
 SILDVVQTGRTCILDVNPQALKVLR TSEFMPYVVFIAAPELET LRAMHKAVVDAGITTKLLTDSDLKKT
 DESARIQRAYNHYFDLII VNDNLDAFENLQTAIEKLRTEPQWVPISWVY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001134982

ORF Size: 1620 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_001134982.1](#), [NP_001128454.1](#)

RefSeq Size: 2658 bp

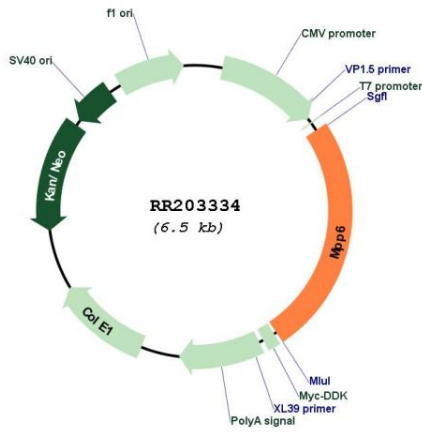
RefSeq ORF: 1623 bp

Locus ID: 362359

Cytogenetics: 4q24

MW: 60.9 kDa

Product images:



Circular map for RR203334