

Product datasheet for **RR205304**

Mpv17I2 (NM_001106072) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mpv17I2 (NM_001106072) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mpv17I2
Synonyms: RGD1308064
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205304 representing NM_001106072
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

**ATGGCTGCAGGCGGCTGGCGCTGGGCTCGCAAGGCGCTGGCTGCGGGGCGCCCGCTGTTCCAGGGTCGCG
 CGCTGCTCGTACCAACACACTGGGCTGCGGCGTGCTCATGGCCACGGGCGATGGCGCGCAGAGCCCTG
 GGAAGTACGCGCGCGCCTGAGCAGAGATTCAGCGCGCGGCGCTCAGCCAGCATGTTCCGGTGGGCTGC
 AGCATGGGCCCTTCTACACTTCTGGTACCTGTGGTTGGATCGCTCCTCCCGCTCGGGCCTACGAA
 GCCTCCCGAGTGTGATGAAGAAGGTGCTAGTGGATCAAACGGTGGCATCTCCCATACTAGGCGTCTGGTA
 CTTCTGGGCTTGGCAGCCTGGAGGGCCAGACTGGAGGAGAGCTGCCAGGAGCTGCGGGCCAAATTC
 TGGGACTTCTACAAGGCGACTGGTGCCTGTGGCCAGCTGCCAGCTGGTGAACCTTCTTATCCCTT
 CTCATTTCCGAGTCACCTATATCAATGGGCTGACTGGGCTGGGACACATACCTGTCCTATCTGAAGTA
 CTGGGCCCTGAACCCCTCAGACTCCGGGCTGCGCAGAC**

**ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >RR205304 representing NM_001106072
 Red=Cloning site Green=Tags(s)

MAAGGWRWARKALAAGRPLFQGRALLVTNTLGCGLMATGDGARQAWVRARPEQRF SARRSASMFVGC
 SMGPFLHFWYLWLDRLLPASGLRSLPSVMKKVLVDQTVASPILGWVYFLGLGSLEGQTL EESCQELRAKF
 WDFYKADWCVWPAQLVNFLFIPSHFRVTYINGLTLGWDTYLSYLKYWAPEPLQTPGCAD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

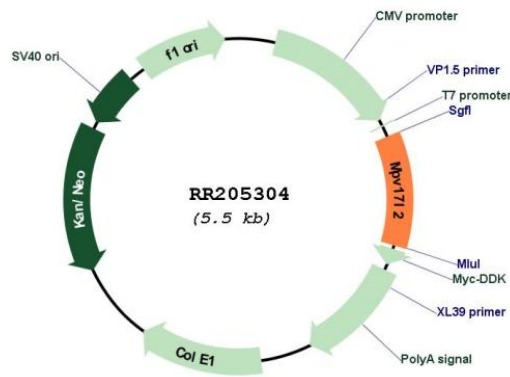


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001106072

ORF Size: 600 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_001106072.2](#), [NP_001099542.1](#)

RefSeq Size: 1005 bp

RefSeq ORF: 603 bp

Locus ID: 290645

Cytogenetics: 16p14

MW: 22.5 kDa