

## Product datasheet for **RR209276**

### Mpv17 (NM\_001098240) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mpv17 (NM\_001098240) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Mpv17  
**Synonyms:** Mpv17; Mpv17l  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209276 representing NM\_001098240  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCACTCTGGCGAGCATACCAGAGGGCCCTGGCTGCACATCCGTGGAAAGTCCAGGTTCTGACAGCTG  
 GGTCACTGATGGGCTAGGTGACATTATCTCACAGCAGCTGGTGGAAAGGCGGGTCTCCAGCAACACCA  
 GACTGGCCGGACCTTGACCATGGCATCCCTTGGCTGTGGCTTTGTGGCCCTGTGGTCGGAGGCTGGTAC  
 AGGGTTTTGGACCACTTAATCCCGGCACCACCAAGGTGAATGCACTCAAGAAGATGTTGTTAGATCAGG  
 GGGCTTTGCCCATGTTTCCTTGGCTGCTTTCTCCCACTGGTAGGGTACTCAATGGAATGTCAGCCCA  
 GGACAATTGGCCAAACTGAAGCGGGACTACCCCGACGCCCTCATCACCAACTACTATCTCTGGCCTGCT  
 GTGCAGTTAGCCAACCTTCTACCTGGTCCCCTGCATTACAGGTTGGCTGTTGTCCAGTGCCTTGGCTTG  
 TCTGGAACCTACCTGCTCCTGGAAGGCACATCAGCTC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR209276 representing NM\_001098240  
 Red=Cloning site Green=Tags(s)

MALWRAYQRALAAHPWKVQVLTAGSLMGLGDIISQQLVERRLQQHQTGRTLTMASLGCGFVGPVVGWY  
 RVLDDLIPGTTKVNALKKMLLDQGGFAPCFLGCFPLVGVLNGMSAQDNWAKLRDYPDALITNYLWPA  
 VQLANFYLVPLHYRLAVVQCVAVVWNSYLSWKAHQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

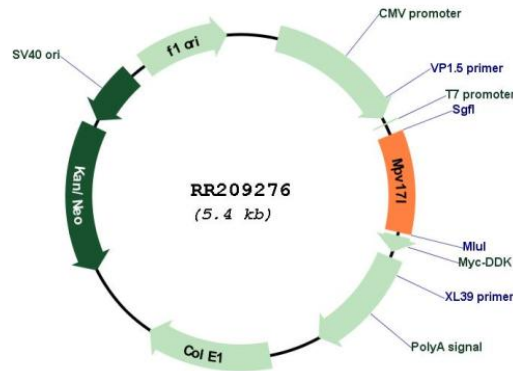
**Restriction Sites:** SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM\_001098240

ORF Size: 528 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001098240.1</a></u> , <u><a href="#">NP_001091710.1</a></u>
<b>RefSeq Size:</b>	1542 bp
<b>RefSeq ORF:</b>	531 bp
<b>Locus ID:</b>	360463
<b>UniProt ID:</b>	<u><a href="#">Q5BK62</a></u>
<b>Cytogenetics:</b>	6q14
<b>MW:</b>	19.6 kDa
<b>Gene Summary:</b>	Involved in mitochondria homeostasis. May be involved in the metabolism of reactive oxygen species and control of oxidative phosphorylation and mitochondrial DNA (mtDNA) maintenance (By similarity).[UniProtKB/Swiss-Prot Function]