

## Product datasheet for **MC226030**

### Mpv17 (NM\_001294322) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mpv17 (NM\_001294322) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mpv17  
**Synonyms:** Tg.Mpv17  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226030 representing NM\_001294322  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCACTCTGGCGAGCATACCAGAGAGCCCTGGCAGCACATCCGTGGAAAGTCCAGGTTCTGACAGCTG  
GATCACTGATGGCGTAGGTGACATGATCTCACAGCAGCTGGTGGAGAGGCGGGTCTCCAGCAACACCA  
GGCAGGCCGCACTCTGACCATGGTATCCCTGGGCTGTGGCTTTGTGGCCCTGTCGTCGGAGGCTGGTAC  
AAAGTTTTAGACCACTTAATCCCGGGCACCACGAAGGTGCATGCACTGAAGAAGATGTTGTTAGATCAGG  
GGGGCTTTGCCCATGTTTCTAGGCTGCTTTCTCCCACTGGTCGGGATACTCAATGGAATGTCAGCCCA  
GGACAATTGGCCAAACTGAAGCGGCTCTGGCCTGCTGTGCAGTTAGCCAATTCTACCTGGTCCCCCTG  
CATTACAGGTTGGCTGTTGTCCAGTGTGTGCTATTGTCTGGAACCTCTACCTATCCTGGAAGGCACATC  
AGTTCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001294322  
**Insert Size:** 498 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001294322.1</a></u> , <u><a href="#">NP_001281251.1</a></u>
<b>RefSeq Size:</b>	1682 bp
<b>RefSeq ORF:</b>	498 bp
<b>Locus ID:</b>	17527
<b>Cytogenetics:</b>	5 B1
<b>Gene Summary:</b>	<p>Involved in mitochondria homeostasis. May be involved in the metabolism of reactive oxygen species and control of oxidative phosphorylation and mitochondrial DNA (mtDNA) maintenance (Probable).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and lacks an alternate in-frame exon in the 3' coding region, compared to variant 2. It encodes isoform 2, which is shorter than isoform 1.</p>