

## Product datasheet for MC213167

### Ppm1k (NM\_175523) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ppm1k (NM\_175523) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ppm1k  
**Synonyms:** 2900063A19Rik; A930026L03Rik; PP2Cm  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC213167 representing NM\_175523  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTTATCAGCGGCTTCATTACTTTGTTGAGAAGTGGTGGGAATCAGGTGAAGAAGAGAGTGTGTTAA  
GCTCCATCCTCCTGCAGGACCACAGGCAGGCGACTCCTGCCTGCTACTTCTCCACTTCAGAGGCCAGGTG  
TTCTCGGTTTGATCCAGATGGAAGTGGGCAGCCAGCCACTTGGGACAATTTGGGATCTGGGATAACCGC  
ATTGATGAGCCAATTCTGCTGCCACCTAGCATCAAGTACGGCAAACCAATTCCTCCAAAATTAGCCTGGAGA  
ACGTGGGCTGTGCCTCTCTCATTGGCAAACGAAAGAAAACGAAGATCGATTTGGGTTTGACAGCTGAC  
AGAAGAGGTGCTATACTTCGCAGTCTATGATGGACATGGGGGCCCTGCAGCCGCTGACTTCTGTACACA  
CACATGGAGAAATGTGTTATGGATTTGCTCCTCGGGAGAAAGACTTGGAACTGTCTGACCTTGGCCT  
TTCTAGAAATAGATAAAGCCTTCGCGAGTTATGCCACCTGTCTGCAGATGCAAGCCTCTGACCTCTGG  
GACTACTGCAACAGTAGCCCTGTTGAGAGATGGTGTGAAGTGGTGGTAGCCAGTGTGGAGACAGCCGG  
GCTCTTTTGTGTAGAAAAGGAAAACCATGAAGCTGACCACTGACCATACCCAGAAAAGAAAAGATGAGA  
AAGAAAGGATCAAGAAATTCGGTGGGTTGTAGCTTGAAGTGGGACAGCCCAATGTAATGGCAG  
ACTTGCAATGACAAGGAGTATCGGAGATTTGGATCTTAAAGCCAGTGGGGTAATTGCAGAACCTGAGACA  
ACAAGGATTAAGCTCTACCATGTGACGACAGTTTCTGGTCTTACCACAGATGGGATTAACCTCATGG  
TGAATAGTCAAGAGATCTGCGACTTTGTCAACCAGTGCCACGATCCTAAAGAAGCAGCTCATTGGTGAC  
TGAGCAGGCAATACAGTACGGTACCGAAGACAACAGCACTGCAGTAGTGGTGCCTTTGGTGCTTGGGGA  
AAATAAGAAGCTCTGAAATTACCTTCTCATTACGAGAAAGCTTTGCCTCCAGTGGGAGATGGGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_175523



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<b>Insert Size:</b>	1119 bp
<b>OTI Disclaimer:</b>	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).
<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_175523.4</a></u> , <u><a href="#">NP_780732.1</a></u>
<b>RefSeq Size:</b>	5560 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	243382
<b>UniProt ID:</b>	<u><a href="#">Q8BXN7</a></u>
<b>Cytogenetics:</b>	6 B3
<b>Gene Summary:</b>	Regulates the mitochondrial permeability transition pore and is essential for cellular survival and development.[UniProtKB/Swiss-Prot Function]