

## Product datasheet for **MC227063**

### **Ppa2 (NM\_001293641) Mouse Untagged Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: Ppa2 (NM\_001293641) Mouse Untagged Clone  
Tag: Tag Free  
Symbol: Ppa2  
Synonyms: 1110013G13Rik; Sid6306  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
Fully Sequenced ORF: >MC227063 representing NM\_001293641  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCGCGCGCTGCTGCCGCTGCTGAGCGTCGGCCGAGGGTGGCGCGTGGGGCCGCCGCCGCCCTCCGC  
GCCGCGTCATGTCCTGTACCGCACGGAGGAGCTGGGCCATCCCCGCTCGCAGGACTACCGCCTGTTCTT  
CAAGCATGTAGCTGGTCATTACATCTCCCCTTTCCACGACATTCTCTGAAGCGGACTGTAAGAGGAA  
CATGACATTTCCAGGAAAAGGCACGAAATGATGAATATGAGAATTTGTTAATATGGTTGTGAAATAC  
CTCGGTGGACAAATGCCAAGATGGAGATTGCCACAGAGGAGCCACTCAATCCCATTAAGCAAGATATAAA  
GAACGGAAAGCTACGCTACACACCGAACATCTCCCTCACAAGGGCTATATATGGAATTACGGGGCCCTC  
CCTCAGACCTGGGAAGATCCTCACCTAAGAGATAAGAGCACCGACTGCTGTGGGGATAATGATCCCATTG  
ACGTCTGTGAAATAGGCTCAAAGTTCTTTCCCGTGGAGACGTGGTCCATGTGAAGATCCTTGGGACTTT  
GGCACTTATTGATCAGAGTGAACAGATTGGAAAATAATTGCTATCAATGTGAATGATCCTGAGGCTGAA  
AAATTTTCATGATATTGATGATGTTAAGAAGTTCAAACCAAGTTACCTGGAAGCCACTCTCAATTGGTTTA  
GACTCTATAAGGTACCAGATGGAAAACCAAGTTTGGCTTTAATGGAGAATTCAAAAACAAGGC  
TTTCGCCCTCGACGTTATTAACCTGCACATGAACGTTGGAAAGAGATGGTTATGAAGAAGTGTGACAAG  
GGAGCCATCAGTTGTGTAATGTGCACATCTGCGATAGCCCTTTCCACTGCACTATGGAGGAAGCAAGAT  
CATTGGTTGAATCGGTTCCAACACCTTCGATGAATAAGGAAAGCAATGTAGAGGAAGTGTGGCACTTCT  
CCGCAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
ACCN: NM\_001293641



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<b>Insert Size:</b>	990 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>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_001293641.1</a></u> , <u><a href="#">NP_001280570.1</a></u>
<b>RefSeq Size:</b>	1380 bp
<b>RefSeq ORF:</b>	990 bp
<b>Locus ID:</b>	74776
<b>UniProt ID:</b>	<u><a href="#">Q91VM9</a></u>
<b>Cytogenetics:</b>	3 G3
<b>Gene Summary:</b>	<p>Hydrolyzes inorganic pyrophosphate. This activity is essential for correct regulation of mitochondrial membrane potential, and mitochondrial organization and function. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>