

Product datasheet for **MC207746**

Ppa2 (NM_146141) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppa2 (NM_146141) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppa2
Synonyms:	1110013G13Rik; Sid6306
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207746 representing NM_146141 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCGCGTGTGCCGCTGCTGAGCGTCGGCCGAGGGTGGCGCGTGGGGGCGCCGCCGCCCTCCGC
GCCGCGTCATGTCCTGTACCGCACGGAGGAGCTGGGCCATCCCCGCTCGCAGGACTACCGCCTGTTCTT
CAAGCATGTAGCTGGTCATTACATCTCCCTTTCCACGACATTCCTCTGAAGCGGACTGTAAGAGGAA
CATGACATTCCCAGGAAAAGGCACGAAATGATGAATATGAGAATTTGTTAATATGTTTGTGAAATAC
CTCGGTGGACAAATGCCAAGATGGAGATTGCCACAGAGGAGCCACTCAATCCCATTAAAGCAAGATATAAA
GAACGGAAAGCTACGCTACACACCGAACATCTCCCTCACAAGGCTATATATGGAATTACGGGGCCCTC
CCTCAGACCTGGGAAGATCCTCACCTAAGAGATAAGAGCACCGACTGCTGTGGGATAATGATCCCATTG
ACGTCTGTGAAATAGGCTCAAAGTTCTTTCCCGTGGAGACGTGGTCCATGTGAAGATCCTTGGGACTTT
GGCACTTATTGATCAGAGTGAACAGATTGAAAATAATTGCTATCAATGTGAATGATCCTGAGGCTGAA
AAATTTTCATGATATTGATGATGTTAAGAAGTTCAAACCAGGTTACCTGGAAGCCACTCTCAATTGGTTTA
GACTCTATAAGGTACCAGATGAAAACCCAGAAAACAAGTTTGCTTTAATGGAGAATTCAAAACAAGGC
TTTCGCCCTCGACGTTATTAACCTGCACATGAACGTTGGAAAGAGATGGTTATGAAGAAGTGTGACAAG
GGAGCCATCAGTTGTGTAATGTGCACATCTGCGATAGCCCTTTCCACTGCACTATGGAGGAAGCAAGAT
CATTGGTTGAATCGTTCCAACACCTTCGATGAATAAGGAAAGCAATGTAGAGGAAGAAGTGTGGCACTT
CCTCCGCAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_146141
Insert Size:	993 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).
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:	<ol style="list-style-type: none">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_146141.2 , NP_666253.1
RefSeq Size:	1383 bp
RefSeq ORF:	993 bp
Locus ID:	74776
UniProt ID:	Q91VM9
Cytogenetics:	3 G3
Gene Summary:	<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 (1) represents the longer transcript and encodes the longer isoform (1).</p>