

## Product datasheet for **RC223369**

### PPA2 (NM\_176866) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PPA2 (NM\_176866) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PPA2  
**Synonyms:** HSPC124; SCFAI; SCFI; SID6-306  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC223369 representing NM\_176866  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCGCGTCTGCGGCTGCTGCGCACGGGTGCCCCAGCCGCTGCGTGCCTGCGGTTGGGGACCACTG  
CAGGGACCGGGTCGCGCCGTGCTATGGCCCTGTACCACACTGAGGAGCGCGGCCAGCCCTGCTCGCAGAA  
TTACCGCCTCTTCTTTAAGAATGTAAGTGGTCACTACATTTCCCCTTTCATGATATTCCTGAAGGTG  
AACTCTAAAGAGATTCTTCTTGTGGAGAAGTTATTCATGTGAAGATCCTTGAATTTGGCTCTTATTG  
ATGAAGGTGAAACAGATTGGAAATTAATTGCTATCAATGCGAATGATCCTGAAGCCTCAAAGTTTCATGA  
TATTGATGATGTTAAGAAGTCAAACCGGTTACCTGGAAGCTACTCTTAATTGGTTAGATTATAAAG  
GTACCAGATGGAAAACAGAAAACAGTTTGCTTTAATGGAGAATTCAAAAACAAGGCTTTTGCTCTTG  
AAGTTATTAATCCACTCATCAATGTTGGAAAGCATTGCTTATGAAGAAGTGAATGGAGGAGCTATAAA  
TTGCACAAACGTGCAGATATCTGATAGCCCTTCCGTTGCACTCAAGAGGAAGCAAGATCATTAGTTGAA  
TCGGTATCATCTTACCAAATAAAGAAAGTAATGAAGAAGAGCAAGTGTGGCACTTCCTTGGAAG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Reconstitution Method:**

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\\_176866.2](#), [NP\\_789842.2](#)

**RefSeq Size:** 1376 bp

**RefSeq ORF:** 699 bp

**Locus ID:** 27068

**UniProt ID:** [Q9H2U2](#)

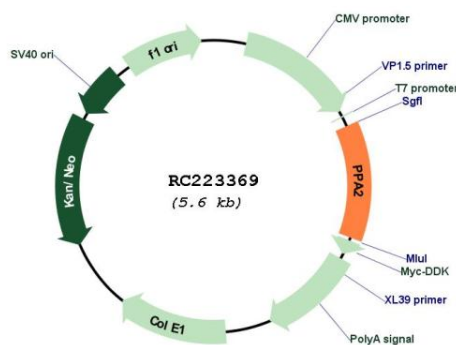
**Cytogenetics:** 4q24

**Protein Pathways:** Oxidative phosphorylation

**MW:** 22.9 kDa

**Gene Summary:** The protein encoded by this gene is localized to the mitochondrion, is highly similar to members of the inorganic pyrophosphatase (PPase) family, and contains the signature sequence essential for the catalytic activity of PPase. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RC223369