

## Product datasheet for **RN214424**

### **Pdp1 (NM\_019372) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pdp1 (NM_019372) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pdp1
Synonyms:	Ppm2c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214424 representing NM\_019372  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCCAGCACCACCACTCAACTGTTTTCTCTCGTCCGTAACGTGAAGTGAAGCAGCAGAATCTATGGCACTG  
 CATGTTACTGCCACCACAACATCTCTGCTGTTACCACCGTACATTCCTCAGAATCGTCTGAGATACAC  
 ACCCCATCCAGCATATGCTACCTTTGTAGGCCAAGGGAGAAGTGGTGGCAGTATACTCAAGGAAGGAGA  
 TATGCTTCTACGCCTCAGAAATTTACCTCACACCTCCACAAGTCAACAGCATCCTTAAAGCTAATGAAT  
 ACAGCTTCAAAGTACCAGAAATTTGATGGCAAAAATGTCAGTTCCATTCTTGGATTTGACAGCAATCAGCT  
 GCCTGCAATGCACCCATAGAAGACCGGAGAAGTGCAGCAACCTGCTTCAGACCCAGAGGGATGCTTTTGT  
 GGCGTTTTGATGGTCATGCAGGCTGTGCTTCTCCAGGAGCAGTGAAGACTCTTCTATTATATTG  
 CTGTTTCTTGTACCATGAGACTTGTAGAGATTGAAAATGCAGTGGAGAGTGGTCCGGCAGTCTGCT  
 ACCTATCCTTCAGTGGCACAAGCACCCCAATGATTAACCTCACTGAGAGGATCCTCAAATTTGATTTCAAC  
 AGCTTGAGGACTTACTGGCAAGACTTATAGACCTCAATACTGGAGAATCAGCTGATATTGATGTTAAGG  
 AGGCTTAAATTAATGCTTTCAAGAGACTTGATAATGACATTTTCTTGGAGGCTCAAGTCGGTGTACCTAA  
 TTCTTTTCTCAATTACCTGGTGCTTCGGGTAGCATTCTTCTGGGGTACTGCTTGTGTGGCCCATGTAGAT  
 GGTGTTGACCTCCATGTGGCTAACACTGGCGATAGTAGAGCCATGCTAGGTGTGCAAGAAGAAGATGGCT  
 CCTGGTCAAGCAGTCACGCTCTCTAATGACCACAATGCTCAGAATGAAAGAGAAGTGAACGCTCTAAAAC  
 GGAACACCCAAAAATGAGGCCAAGAGCGTGGTAAAGCAGGATCGGCTGCTTGGCTTGTGATGCCCTT  
 AGGGCTTTTGGGATGTAAAGTTCAAATGGAGCATTGACCTTCAAAGAGAGTGATAGAGTCTGGCCAG  
 TGAGCCAGAGGTAACCTATCACCGATTAAAGCCACAGGATAAATTCCTAGTGTAGCAACTGATGGATTG  
 TGGGAGACTATGCATAGACAGGATGTGGTTAGGATTGTGGGTGAGTACTTAAGTTGATGCATCACC AAC  
 AGCCAATAGCTGTTGGTGGGTACAAGGTGACTCTGGGACAGATGCATGGCCTTTTAAACAGAAAGGAGAGC  
 AAAGATGTATCAGTCTTGGAGATCAGAATGCAGCAACCCATCTCATTGCGCCATGCTGTAGGCAATAAT  
 GAATTTGGAGCTGTTGATCATGAACGACTCTCTAAAATGCTTAGCCTTCTGAAGAGCTTCTCGGATGT  
 ATAGAGATGACATTACAATCATTGTAGTTCAGTTCAATTTCTATGTTGTAGGAGCATATCAAACCCAGGA  
 ACAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_019372

**Insert Size:** 1617 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:**

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\\_019372.4](#), [NP\\_062245.2](#)

**RefSeq Size:** 2515 bp

**RefSeq ORF:** 1617 bp

**Locus ID:** 54705

**Cytogenetics:** 5q13

**Gene Summary:** catalytic subunit of the mitochondrial matrix phosphatase; involved in reactivation of the pyruvate dehydrogenase complex [RGD, Feb 2006]  
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream AUG, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.