

Product datasheet for **RN216919**

Pdp1 (NM_001271108) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Pdp1 (NM_001271108) 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: >RN216919 representing NM_001271108
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTGTGTGCCGGGCCAGACGAATTGGAATCCCGGTCAGAACATCCAGTCTACCACTGTTCTCTG
 ATGCCATGCCAGCACCAACTCAACTGTTTTTCTCTCGTCCGTAAGTGTGAAGTGAAGCAGCAATCTATGG
 CACTGCATGTTACTGCCACCACAAACATCTCTGCTGTTACCACCGTACATTCCTCAGAATCGTCTGAGA
 TACACACCCCATCCAGCATATGCTACCTTTGTAGGCCAAGGGAGAAGTGGTGGCAGTATACTCAAGGAA
 GGAGATATGCTTCTACGCCTCAGAAATTTACCTCACACCTCCACAAGTCAACAGCATCCTTAAAGCTAA
 TGAATACAGCTTCAAAGTACCAGAATTTGATGGCAAAAATGTCAGTTCATTCTTGGATTGACAGCAAT
 CAGCTGCCTGCAAATGCACCCATAGAAGACCGGAGAAGTGCAGCAACCTGCTGCAGACCAGAGGGATGC
 TTTTGGGCGTTTTGATGGTCATGCAGGCTGTGCTTGTCCCAGGCAGTCACTGAAAGACTCTTCTATTA
 TATTGCTGTTTCTTGTACCCCATGAGACTTTGCTAGAGATTGAAAATGCAGTGGAGAGTGGTCCGGCA
 CTGCTACCTATCCTTCAGTGGCACAAGCACCCCAATGATTACTTCAGTAAAGGAGGATCCAAATTGTATT
 TCAACAGCTTGAGGACTTACTGGCAAGAGCTTATAGACCTCAATACTGGAGAATCAGCTGATATTGATGT
 TAAGGAGGCTTTAATTAATGCTTCAAGAGACTTGATAATGACATTTTCATTGGAGGCTCAAGTCGGTGT
 CCTAATCTTTTTCTCAATTACCTGGTGTTCGGGTAGCATTCTTCTGGGGCTACTGCTTGTGTGGCCCATG
 TAGATGGTGTGACCTCCATGTGGCTAACACTGGCGATAGTAGAGCCATGCTAGGTGTGCAAGAAGAAGA
 TGGCTCCTGGTCAGCAGTCAAGCTCTCTAATGACCACAATGCTCAGAATGAAAGAGAAGTGAACGCTCA
 AAAGTGAACACCCAAAAAATGAGGCCAAGAGCGTGGTAAAGCAGGATCGGCTGCTTGGCTTGTGATGC
 CCTTTAGGGCTTTTGGGGATGTAAGTTCAAATGGAGCATTGACCTTCAAAGAGAGTATAGAGTCTGG
 CCCAGACCAGTTGAATGACAATGAATACACCAAGTTTATCCCTCCTAACTATCATACACCTCCTTATCTC
 ACTGCTGAGCCAGAGGTAACCTTATCACCGATTAAGGCCACAGGATAAATCCTAGTGTAGCAACTGATG
 GATTGTGGGAGACTATGCATAGACAGGATGTGGTTAGGATTGTGGGTGAGTACTTAACTGGTATGCATCA
 CCAACAGCCAATAGCTGTTGGTGGGTACAAGGTGACTCTGGGACAGATGCATGGCCTTTTAAACAGAAAGG
 AGAGCAAAGATGTCATCAGTCTTTGAGGATCAGAATGCAGCAACCCATCTCATTCCGCATGCTGTAGGCA
 ATAATGAATTTGGAGCTGTTGATCATGAACGACTCTCTAAAATGCTTAGCCTTCTGAAGAGCTTGTCTG
 GATGTATAGAGATGACATTACAATCATTGTAGTTCAGTTCATTCTCATGTTGTAGGAGCATATCAAAC
 CAGGAACAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001271108
- Insert Size:** 1692 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001271108.2](#), [NP_001258037.1](#)

RefSeq Size: 2520 bp

RefSeq ORF: 1692 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 (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.