

Product datasheet for **MC219246**

Pdp1 (NM_001098231) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdp1 (NM_001098231) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdp1
Synonyms:	Gm1024; Ppm2c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC219246 representing NM_001098231
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGTCGGCTCCGTGTGTGATGACAGGAGAATGTGTGTGTGCCGGGCCAGACGAATTGGAATCC
 CAGTCAGAACGTCCAGTCTGCCACTGTTCTCTGATGCCATGCCAGCACCAACTCAACTGTTTTTCTCT
 CGTCCGTAACGTGAACTGAGCAGAATCTATGGCACTGCATGTTACTGCCACCACAAACATCTCTGCTGT
 TCACCACCATACATTCCTCAGAATCGTCTGAGGTACACACCCCATCCTGCATATGCTACCTTTTGTAGGC
 CACGGGAGAACTGGTGGCAGTACTCAAGGAAGGAGATACGCTTCTACACCGCAGAAAATTTACCTCAC
 ACCTCCACAAGTCAACAGCATCCTTAAAGCTAATGAATACAGCTTCAAAGTACCAGAATTTGATGGCAAA
 AATGTCAGTTCATTCTGGATTTGACAGCAATCAGCTGCCTGCAAAATGCACCCATAGAGGACCGGAGAA
 GTGCAGCAACCTGCTTGACAGACCAGAGGGATGCTCTTGGGGTTTTTGATGGTCATGCAGCTGTGCTTG
 TTCCAGGCAGTCAGTGAAGACTCTTCTATTATATTGCTGTTTCCTTGTGCCCATGAGACTTTGCTA
 GAGATTGAAAATGCAGTGGAGAGTGGTCGGGCACCTGCTACCTATCCTTCAGTGGCACAAGCACCCCAATG
 ATTACTTCAGTAAGGAGCGTCCAAATTGTATTTCAACAGCTTGAGGACTTACTGGCAAGAACTCATAGA
 CCTCAATACTGGAGAATCAGCTGATATTGATGTTAAGGAGGCTTTAATTAATGCTTTCAAGAGACTCGAT
 AATGACATTTTCATTGGAGGCTCAAGTTGGTGATCCTAATCTTTTCTAAATTACCTGGTGCTTCGGGTAG
 CATTTTCTGGGGTACTGCTTGTGTGGCCCATGTAGATGGTGTGACCTCCATGTGGCTAACACTGGTGA
 TAGTAGAGCCATGCTAGGTGTCAAGAAGAAGATGGCTCTTGGTCAGCAGTCACACTCTAATGACCAC
 AATGCTCAGAATGAAAGAGAAGTAAAGAGAGTCTGAAACTGGAACACCCAAAAAATGAGGCCAAGAGCGTGG
 TAAAGCAGGACCGGCTGCTTGGCTTGTGATGCCCTTTAGGGCTTTTGGAGATGTAAGTTCAAATGGAG
 CATTGACCTTCAAAGAGAGTGTAGAGTCTGGCCAGACCAGTTGAATGACAATGAATACACCAAGTTT
 ATCCCTCCTAACTATCATACACCTCCTTATCTTACTGCTGAGCCAGAGGTAACCTATCACAGATTAAAGC
 CACAGGATAAAATCCTAGTGTAGCAACTGATGGGTTGTGGGAGACTATGCATAGACAGGATGTGGTTAG
 GATTGTGGGTGAATACTTAACTGGTATGCATCACCAACAGCCAATAGCAGTTGGTGGGTACAAGGTGACT
 CTGGGACAGATGCATGGCCTTTAACAGAAAGGAGAGCAAAGATGTCATCAGTGTGGAGGATCAGAAATG
 CAGCAACCCATCTCATTGCCATGCTGTAGGCAATAATGAATTTGGGGCTGTTGATCATGAACGACTCTC
 TAAAATGCTTAGTCTTCTGAAGAGCTTGTCTGGATGTATAGAGATGACATTACAATCATTGTAGTTCAG
 TTCAATTCTCATGTTGTAGGGGCATACCAAACCAGGAACAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001098231

Insert Size: 1725 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_001098231.1](#), [NP_001091701.1](#)

RefSeq Size: 4149 bp

RefSeq ORF: 1725 bp

Locus ID: 381511

UniProt ID: [Q3UV70](#)

Cytogenetics: 4 A1

Gene Summary: Catalyzes the dephosphorylation and concomitant reactivation of the alpha subunit of the E1 component of the pyruvate dehydrogenase complex.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) differs in the 5' UTR and the 5' coding region and initiates translation at an alternate start codon, compared to variant 4. It encodes isoform a, which is shorter and has a distinct N-terminus, compared to isoform d.