

Product datasheet for **MC219138**

Pdp1 (NM_001098230) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdp1 (NM_001098230) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdp1
Synonyms:	Gm1024; Ppm2c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NM_001098230.1
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTGTGTGTCCCGGGCCAGACGAATTGGAATCCCAGTCAGAACGTCCAGTCTGCCACTGTTCTCTG
 ATGCCATGCCAGCACCACTCAACTGTTTTTCTCTCGTCCGTAAGTGTGAAGTGAAGCAGCAATCTATGG
 CACTGCATGTTACTGCCACCACAAACATCTCTGCTGTTACCACCATACATTCCTCAGAATCGTCTGAGG
 TACACACCCCATCTGCATATGCTACCTTTTGTAGGCCACGGGAGAACTGGTGGCAGTATACTCAAGGAA
 GGAGATACGCTTCTACACCGCAGAAATTTACCTCACACCTCCACAAGTCAACAGCATCCTTAAAGCTAA
 TGAATACAGCTTCAAAGTACCAGAATTTGATGGCAAAAATGTCAGTTCATTCTTGGATTGACAGCAAT
 CAGCTGCCTGCAAATGCACCCATAGAGGACCGGAGAAGTGCAGCAACCTGCTTGCAGACCAGAGGGATGC
 TCTTGGGGTTTTTGTGGTTCATGCAGGCTGTGCTTGTCCAGGCAGTCACTGAAAGACTCTTCTATTA
 TATTGCTGTTTCTTGTGCCCATGAGACTTTGCTAGAGATTGAAAATGCAGTGGAGAGTGGTCCGGCA
 CTGCTACCTATCCTTCAGTGGCACAAGCACCCCAATGATTACTTCAGTAAGGAGGCGTCCAAATTGTATT
 TCAACAGCTTGAGGACTTACTGGCAAGAACTCATAGACCTCAATACTGGAGAATCAGCTGATATTGATGT
 TAAGGAGGCTTTAATTAATGCTTTCAAGAGACTCGATAATGACATTTTCATTGGAGGCTCAAGTTGGTGT
 CCTAATCTTTTTCTAAATACCTGGTGTCTCGGGTAGCATTTTCTGGGGCTACTGCTTGTGTGGCCCATG
 TAGATGGTGTGACCTCCATGTGGCTAACACTGGTGTAGTAGAGCCATGCTAGGTGTGCAAGAAGAAGA
 TGGCTCTTGGTCAGCAGTCACTCTCTAATGACCACAATGCTCAGAATGAAAGAGAAGTGAAGAGTCTGC
 AAAGTGAACACCCAAAAAATGAGGCCAAGAGCGTGGTAAAGCAGGACCGGCTGCTTGGCTTGTGATGC
 CCTTTAGGGCTTTTGGAGATGTAAGTTCAAATGGAGCATTGACCTTCAAAGAGAGATGATAGAGTCTGG
 CCCAGACCAGTTGAATGACAATGAATACACCAAGTTTATCCCTCCTAACTATCATACACCTCCTTATCTT
 ACTGCTGAGCCAGAGGTAACCTTATCACAGATTAAGGCCACAGGATAAATCCTAGTGTAGCAACTGATG
 GTTTGTGGGAGACTATGCATAGACAGGATGTGGTTAGGATTGTGGGTGAATACTTAACTGGTATGCATCA
 CCAACAGCCAATAGCAGTTGGTGGGTACAAGGTGACTCTGGGACAGATGCATGGCCTTTTAAACAGAAAGG
 AGAGCAAAGATGTCATCAGTGTGAGGATCAGAATGCAGCAACCCATCTCATTCCGCATGCTGTAGGCA
 ATAATGAATTTGGGGCTGTTGATCATGAACGACTCTCTAAATGCTTAGTCTTCTGAAGAGCTTGTCTCG
 GATGTATAGAGATGACATTACAATCATTGTAGTTCAGTTCATTCTCATGTTGTAGGGGCATACCAAAAC
 CAGGAACAGTAA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1493_e07.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001098230

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).

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_001098230.1](#), [NP_001091700.1](#)

RefSeq Size: 4233 bp

RefSeq ORF: 1692 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 (2) differs in the 5' UTR and the 5' coding region and initiates translation at an alternate start codon, compared to variant 4. Variants 2 and 5 encode the same isoform (b), which has a shorter and distinct N-terminus, compared to isoform d.