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Product datasheet for MC228319

Pdp1 (NM_001290391) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdp1 (NM_001290391) 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

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Fully Sequenced ORF:

>MC228319 representing NM_001290391
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGTGTGTGTCCCGGGCCCAGACGAATTGGAATCCCAGTCAGAACGTCCAGTCTGCCACTGTTCTCTG
ATGCCATGCCAGCACCAACTCAACTGTTTTTTCCTCTCGTCCGTAACTGTGAACTGAGCAGAATCTATGG
CACTGCATGTTACTGCCACCACAAACATCTCTGCTGTTCACCACCATACATTCCTCAGAATCGTCTGAGG
TACACACCCCATCCTGCATATGCTACCTTTTGTAGGCCACGGGAGAACTGGTGGCAGTATACTCAAGGAA
GGAGATACGCTTCTACACCGCAGAAATTTTACCTCACACCTCCACAAGTCAACAGCATCCTTAAAGCTAA
TGAATACAGCTTCAAAGTACCAGAATTTGATGGCAAAAATGTCAGTTCCATTCTTGGATTTGACAGCAAT
CAGCTGCCTGCAAATGCACCCATAGAGGACCGGAGAAGTGCAGCAACCTGCTTGCAGACCAGAGGGATGC
TCTTGGGGGTTTTTGATGGTCATGCAGGCTGTGCTTGTTCCCAGGCAGTCAGTGAAAGACTCTTCTATTA
TATTGCTGTTTCCTTGTTGCCCCATGAGACTTTGCTAGAGATTGAAAATGCAGTGGAGAGTGGTCGGGCA
CTGCTACCTATCCTTCAGTGGCACAAGCACCCCAATGATTACTTCAGTAAGGAGGCGTCCAAATTGTATT
TCAACAGCTTGAGGACTTACTGGCAAGAACTCATAGACCTCAATACTGGAGAATCAGCTGATATTGATGT
TAAGGAGGCTTTAATTAATGCTTTCAAGAGACTCGATAATGACATTTCATTGGAGGCTCAAGTTGGTGAT
CCTAATTCTTTTCTAAATTACCTGGTGCTTCGGGTAGCATTTTCTGGGGCTACTGCTTGTGTGGCCCATG
TAGATGGTGTTGACCTCCATGTGGCTAACACTGGTGATAGTAGAGCCATGCTAGGTGTGCAAGAAGAAGA
TGGCTCTTGGTCAGCAGTCACACTCTCTAATGACCACAATGCTCAGAATGAAAGAGAACTAGAGCGTCTG
AAACTGGAACACCCAAAAAATGAGGCCAAGAGCGTGGTAAAGCAGGACCGGCTGCTTGGCTTGCTGATGC
CCTTTAGGGCTTTTGGAGATGTAAAGTTCAAATGGAGCATTGACCTTCAAAAGAGAGTGATAGAGTCTGG
CCCAGACCAGTTGAATGACAATGAATACACCAAGTTTATCCCTCCTAACTATCATACACCTCCTTATCTT
ACTGCTGAGCCAGAGGTAACTTATCACAGATTAAGGCCACAGGATAAATTCCTAGTGTTAGCAACTGATG
GGTTGTGGGAGACTATGCATAGACAGGATGTGGTTAGGATTGTGGGTGAATACTTAACTGGTATGCATCA
CCAACAGCCAATAGCAGTTGGTGGGTACAAGGTGACTCTGGGACAGATGCATGGCCTTTTAACAGAAAGG
AGAGCAAAGATGTCATCAGTGTTTGAGGATCAGAATGCAGCAACCCATCTCATTCGCCATGCTGTAGGCA
ATAATGAATTTGGGGCTGTTGATCATGAACGACTCTCTAAAATGCTTAGTCTTCCTGAAGAGCTTGCTCG
GATGTATAGAGATGACATTACAATCATTGTAGTTCAGTTCAATTCTCATGTTGTAGGGGCATACCAAAAC
CAGGAACAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001290391

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_001290391.1, NP_001277320.1
RefSeq Size:	4184 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 (5) 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.