

## Product datasheet for **RN208337**

### **Pdp2 (NM\_145091) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pdp2 (NM_145091) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pdp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN208337 representing NM\_145091  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCAAGTACTGCGTCCTACCGGATCTTCAATTTTGAAGGAATCGTATTGCTGTGTTACGAGGGGTA  
 GACGCTTGTAAGTCCAGGGCAGCCACGAGTAGGAATCAAGTGAAATGGAGGCTCTTTCTCCGCATCATT  
 GGCCGTGAACGACAGTTCTCCACATGGTGGCTTTGCTCTGCGGAAAGCTTACAGACACACATCAACCGAG  
 GAAGAGGATTTCCACTTGCAGCTCAGCCCCGAACAGGTCAAGTACCTGCTCCGAGCTGGCGAGTATCCC  
 ACAAGGTTCTGGATTTCAACAGCGGAGTTCCAAATTCAGTGTTAAGGTTTGAAGCAACAGTTGGCGGC  
 CAATCCCCAGTGAAGACCGACAAGGTGTGGCTTCTGCGTGCAGACGAGGGGGACGATGTTTGGTATT  
 TTTGATGGGCATGGTGGCCATGCGTGTGCACAGGCGGTGAGCGAGAGGCTTTTCTATTACATGGCGGTGT  
 CCCTCATGTCCATAAGACCTTGGAGCAGATGGAGGAAGCCATGGAGAACATGAAGCCTTTGCTGCCAT  
 CCTGCAGTGGCTCAAGCACCCCGAGACAGTATTATAAAGATATCACATCGGTTTCTGACCACCTC  
 CGAGTCTATTGGCAGAACTCCTTGACCTACATATGGAAACGGGACTAAGCACTGAAGAGGCATTGATGT  
 ACTCCTCCAGAGACTGGACTCCGACATCTCGTAGAAATTCAGGCTCCTCTGGAAGATGAGGTAACGAA  
 GAATTTATCCCTCCAGGTTGCTTTTTCTGGGGCAGACGCTGCATGGCCACGTCGACGGAGTTCACCTG  
 CACATAGCAAATGCTGGCGACTGCCGAGCTATCCTGGGTGTCCAGGGAGACAATGGAGCGTGGTCAATGTT  
 TACCTCTTACCTGTGACCACAATGCCTGGAATGAGGCAGAGCTGTCCCGGCTTAAGAGAGAACACCCCGA  
 GTCTGAGGACAGGACACTCATATAGATGACAGGCTGTGGGTGTCTCCTACCTGCAGGGCCTTCGGG  
 GACGTCAGCTAAAATGGAGTAAAGAGTTGCAGCGGAACGTCCTAGAGAGGGGATTTGATACCGAGGCC  
 TCAACATCTACCAGTTTACCCCGCCCACTACCACACTCCACCTACCTGACTGCTAAGCCTGAGGTCAC  
 ATACCACAGGCTTAGGCCCAAGATAAGTTCTCGTGTGGCCTCAGATGGCCTCTGGGACATGCTGGAC  
 AATGAGGATGTGGTAAGGCTGGTGGTGGGGCACCTGTCCAAGGTCGGTCAACAGAAGCCAGCCCTGGATC  
 AAAGACCAGCCAACCTGGGCCACATGCAGAGTCTGCTGTGCAGAGGAAAGCCAGCGGACTCCATGCAGC  
 TGACCAGAATGCAGCCACACATCTGATCAGACATGCCATCGGGAGCAACGAGTATGGGAAATGGAGCCA  
 GAGCGTCTGGCTGCCATGTTGACGCTGCCAGAGGATGTGGCCAGGATGTACCGGGATGACATCACTGTCA  
 TGGTGGTGTTTTTAACTCAGAATCAATTGATACCTATTTAAGGAGGGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_145091

**Insert Size:** 1593 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\\_145091.4](#), [NP\\_659559.2](#)

**RefSeq Size:** 2116 bp

**RefSeq ORF:** 1593 bp

**Locus ID:** 246311

**UniProt ID:** [O88484](#)

**Cytogenetics:** 19p14

**Gene Summary:** catalyzes the dephosphorylation and reactivation of the pyruvate dehydrogenase complex; plays a role in carbohydrate utilization [RGD, Feb 2006]