

## Product datasheet for **RN206838**

### **Pdpk1 (NM\_031081) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pdpk1 (NM_031081) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pdpk1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN206838 representing NM\_031081  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAGGACCACCAGCCAGCTGTATGACGCTGTGCCATTTCAGTCCAGTGTGGTGTATGTTCTGCC  
 CATCCCATCAATGGTGAGGTCCAGACTGAGCCAGCTCGTCCCTGGCATTCCCTAGTGGTGTAGCAG  
 GCAGGGATCCACCATGGACGGCACCACAGCTGAAGCCCGACCAAGCACCACCCCTTGCAGCAGCACCT  
 GCCCAGCTGCCACCACAGCCTCGCAAGAAACGCCCTGAAGACTTCAAGTTTGGGAAAATTCTTGGCGAGG  
 GCTCTTTTTCGACAGTTGTTCTGGCCGAGAAGTGGCCACTTCCAGAGAATATGCTATTAATAATTCTGGA  
 GAAACGTCATATAATAAAAGAAAACAAAGTCCCGTATGTAAGTACAGAGAGAGATGTGATGTCACGCCTG  
 GATCACCCCTTCTTTGTAAACTTTACTTTACGTTTCAGGACGACGAAAAGCTGTATTTTGGCCTTAGTT  
 ATGCCAAAAATGGAGAGCTACTCAAATACATCCGAAAAATCGTTTCATTTGATGAGACCTGTACCCGGTT  
 TTACACAGCTGAGATTGTGTCTGCTTTAGAGTACTTGCATGGCAAGGGCATTTCACAGAGACCTAA  
 CCAGAAAAACATCTTGTTAAACGAAGACATGCACATCCAGATCACAGATTTTGGAAACGCCAAAGTATTAT  
 CCCAGACAGCAAAACAGCTAGAGCCAATTCATTTGTAGGAACAGCGCAGTATGTTTCTCCAGAGCTGCT  
 CACAGAGAAGTCGGCGTGTAAAAGTTTCCAGACTTTGGCCCTTGGATGTATAATCTATCAGCTTGTGGCA  
 GGACTTCCACCATTTCAGAGCCGGAATGAATATCTTATATTTTCAAGATCATTAAAGTTGGAATATGATT  
 TCCAGAAAAATCTTCCCTAAGGCAAGAGATCTGTGGAAAACTCTTGGTTTTAGATGCCACAAAGCG  
 TTTAGGCTGTGAAGAGATGGAAGGTACGGGCTCTCAAAGCTCATCCATTCTTTGAGTCCATCACGTGG  
 GAGAATCTGCACCAGCAGACGCCTCCGAAGCTCACAGCTTACTTCCAGCCATGTCAGAAGATGATGAAG  
 ACTGTTATGGCAATTACGACAATCTCTGAGCCAGTTTGGCTGCATGCAGGTGTCATCATCTCTCTTTC  
 CCACTCCCTGTGTGCGGTGGATGCCAGCCTGCCCCAGAGGTCGGGCAGCAACATAGAGCAGTACATTCAT  
 GATTTGGACACTAACTCTTTTGAAGTACTTACAGTTTTTCAAGAGATGAAAAAGGTTGTTATTGGAAA  
 AGCAAGCCGGTGGAAACCCTTGGCACCAGTTTGTAGAAAATAATCTAATATTAATAATGGGCCAGTGGAA  
 TAAGCGAAAGGTTTATTTGCAAGACGACGGCAGTTTACTCACAGAAGGGCCACATTTATATTATGTC  
 GATCCTGTCAACAAGGTTTAAAAGGTGAAATTCATGGTCACAAGAACTCCGACCAGAGGCCAAGAATT  
 TTAATACTTTCTCGTCCACACGCCTAACAGGACGTATTACCTGATGGATCCAAGCGGGAATGCTCACAA  
 GTGGTGCAGAAAGATCCAGGAGTTTGGAGGCAACAGTACCAGAGCAGTCCAGATGCTGCTGTCAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_031081
- Insert Size:** 1680 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\\_031081.1](#), [NP\\_112343.1](#)

**RefSeq Size:** 1879 bp

**RefSeq ORF:** 1680 bp

**Locus ID:** 81745

**UniProt ID:** [O55173](#)

**Cytogenetics:** 10q12

**Gene Summary:** may catalyze the phosphorylation and activation of protein kinase B [RGD, Feb 2006]