

Product datasheet for **RN202947**

Pdk1 (NM_053826) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdk1 (NM_053826) Rat Untagged Clone
Tag: Tag Free
Symbol: Pdk1
Synonyms: MGC108625
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202947 representing NM_053826
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCTGGCAAGGCTGCTGCGGGGCGGCACGAGCGTCAGGCCGCTCTGTGCCGTCCCCTGCGCCAGCC
 GTAGTCTGGCCTCGACTCGGCCTCGGGCTCCGGGCCGGCGTCGGAGAGCGGCGTCCGGGCCAGGTGGA
 CTTCTATGCGCGCTTCTCGCCGTCGCCACTCTCCATGAAGCAGTTCCTGGACTTCGGGTCAGTAAATGCT
 TGTGAAAAGACCTCGTTCATGTTTCTTCGACAAGAGTTGCCTGTTAGATTGGCAAATATAATGAAAGAAA
 TAAGTCTCCTTCCCGATAATCTTCTCAGGACCCCATCCGTACAGCTGGTACAAAGTTGGTATATCCAAAG
 CCTTCAGGAGCTGCTTGACTTTAAGGACAAGAGTGCTGAGGATGCTAAAATATTTATGAATTCACAGAC
 ACAGTGATAAGGATCAGAAACCGGCACAATGATGTCATCCCCACCATGGCCCAGGGTGTGACTGAATACA
 AGGAGAGCTTCGGGGTGGATCCTGTCCAGCCAAAATGTTTCAGTACTTTTTGGATCGGTTCTACATGAG
 TCGCATCTCAATTAGAATGCTACTCAACCAGCACTCTTTATTGTTGGTGGAAAAGGAAGTCCATCTCAT
 CGAAAACACATTGGAAGCATAAATCCAACTGTGATGTAGTCGAGGTTATTAAGATGGCTATGAGAATG
 CGAGACGGCTTTGTGATTTGATTACATTAACCTCCTGAAGTGAAGAACTAAATGCGAAATG
 ACCAGGACAGCCAATACAAGTGGTTTATGTTCCGTCCCATCTCTATCACATGGTGTGTTGAACTGTTCAAG
 AACGCAATGAGGGCCACCATGGAGCACCATGCAGACAAAGGCGTTTATCCCCGATTCAAGTTCACGTCA
 CACTGGGGGAGGAGGATTTGACTGTGAAGATGAGTGACCGGGGAGGTGGTGTCCGCTGAGGAAGATCGA
 CAGACTCTTCAACTACATGTAAGTCAACTGCACCCCGGCCCTCGTGTGAGACGTCCTGCGGTGCCCTG
 GCTGGATTTGGTTACGGATTGCCATATCACGCCCTCTATGCACAGTACTCCAGGGAGACCTAAAGCTGT
 ATTCCTTAGAGGGCTACGGGACGGATGCTGTCATCTATTAAGGCTCTGTCAACGGAGTCCATCGAAAG
 ACTCCCTGTGATAATAAAGCTGCCTGGAAGCATTACAGAACCAACCACGAGGCTGACGACTGGTGTGTG
 CCCAGCAGAGAGCCGAAAGACATGACGACGTTCCGAAGCTCGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_053826
Insert Size:	1305 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:	<ol style="list-style-type: none">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:	<u>NM_053826.2</u> , <u>NP_446278.2</u>
RefSeq Size:	1609 bp
RefSeq ORF:	1305 bp
Locus ID:	116551
Cytogenetics:	3q23
Gene Summary:	catalyzes the phosphorylation and inactivation of the pyruvate dehydrogenase complex [RGD, Feb 2006]