

Product datasheet for **RR202947**

Pdk1 (NM_053826) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdk1 (NM_053826) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pdk1
Synonyms: MGC108625
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202947 representing NM_053826
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGCTGGCAAGGCTGCTGCGGGCGGCACGAGCGTCAGGCCGCTCTGTGCCGTCCCCTGCGCCAGCC
 GTAGTCTGGCCTCGACTCGGCCTCGGGCTCCGGGCCGGCGTCGGAGAGCGGCCTCCGGCCAGGTGGA
 CTTCTATGCGCGCTTCTCGCCGTCGCCACTCTCCATGAAGCAGTTCCTGGACTTCGGGTCAGTAAATGCT
 TGTGAAAAGACCTCGTTCATGTTTCTTCGACAAGAGTTGCCTGTTAGATTGGCAAATATAATGAAAGAAA
 TAAGTCTCCTTCCCGATAATCTTCTCAGGACCCCATCCGTACAGCTGGTACAAAGTTGGTATATCCAAAG
 CCTTCAGGAGCTGCTTGACTTTAAGGACAAGAGTGTGAGGATGCTAAAATATTTATGAATTCACAGAC
 ACAGTGATAAGGATCAGAAACCGGCACAATGATGTCATCCCCACCATGGCCCAGGGTGTGACTGAATACA
 AGGAGAGCTTCGGGGTGGATCCTGTCAACAGCCAAAATGTTCACTACTTTTGGATCGGTTCTACATGAG
 TCGCATCTCAATTAGAATGCTACTCAACCAGCACTCTTTATTGTTGGTGGAAAAGGAAGTCCATCTCAT
 CGAAAACACATTGGAAGCATAAATCCAACTGTGATGTAGTCGAGGTTATTAAGATGGCTATGAGAATG
 CGAGACGGCTTTGTGATTTGATTACATTAACCTCCTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG
 ACCAGGACAGCCAATACAAGTGGTTTATGTTCCGTCCCCTCTCTACACATGGTGTGAACTGTTCAAG
 AACGCAATGAGGGCCACCATGGAGCACCATGCAGACAAAGGCGTTTATCCCCGATTCAAGTTCACGTCA
 CACTGGGGGAGGAGGATTTGACTGTGAAGATGAGTGACCGGGGAGGTGGTGTCCGCTGAGGAAGATCGA
 CAGACTCTTCAACTACATGTAAGTCAACTGCACCCCGCCCTCGTGTGAGACGTCCTGCGGTGCCCTG
 GCTGGATTTGGTTACGGATTGCCATATCACGCCCTCTATGCACAGTACTCCAGGGAGACCTAAAGCTGT
 ATTCCTTAGAGGGCTACGGGACGGATGCTGTCATCTATTAAGGCTCTGTCAACGGAGTCCATCGAAAG
 ACTCCCTGTGTAATAAAGCTGCCTGGAAGCATTACAGAACCAACCACGAGGCTGACGACTGGTGTGTG
 CCCAGCAGAGAGCCGAAAGACATGACGACGTTCCGAAGCTCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	1302 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_053826.2 , NP_446278.2
RefSeq Size:	1609 bp
RefSeq ORF:	1305 bp
Locus ID:	116551
Cytogenetics:	3q23
MW:	49.1 kDa
Gene Summary:	catalyzes the phosphorylation and inactivation of the pyruvate dehydrogenase complex [RGD, Feb 2006]