

## Product datasheet for RN205803

### Pdk4 (NM\_053551) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pdk4 (NM_053551) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pdk4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205803 representing NM_053551 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGGCAGCCCGTTTCGTGATGCGCAGCGCCAGCTCGCTGGGCAACGCCGGCCTGGTCCCCAGGGAGG  
TCGAGCTGTTCTCCCGCTACAGCCCGTCCCGCTGTCCATGAAGCAGCTGCTGGACTTCGGTTCAGAAAA  
TGCCTGTGAGAGAAGTCTTTTTCTTTCTTCGGCAAGAATTGCCCGTCAGACTTGCCAACATCCTGAAG  
GAGATTGACATCCTCCCTGAACACTTAGTGAACACCCCTCCGTCCAGCTGGTGAAGAGCTGGTACATCC  
AGACCTGATGGATTTAGTGGAGTCCACGAAAAGAGCCAGAAGACCAGAAAGTTCTATCAGACTTTGT  
AGACACGCTGGTCAAAGTTCGAAACAGACATCATAATGTGGTCCCTACGATGGCACAAGGGATCCTGGAG  
TACAAAGACAAGTGCACCGTTGACCCCGTTACCAATCAAATCTTCAGTATTTTTGGACCGTTTTATA  
TGAACCGATTTCTACTCGGATGCTCATGAACCAGCACATCCTCATATTCAGTGACTCAAAGACAGGAAA  
CCCAAGCCACATTGGGAGTATCGACCCCACTGCGATGTGGTAGCAGTAGTCGAAGATGCCTTTGAGTGT  
GCAAAGATGCTCTGCGATCAGTATTATCTAACGTCGCCAGAAATTAAGCTCACACAAGTCAATGGAAAAT  
TTCCAGGCCAACCAATCCACATCGTGTACGTTCCCTTCACACCTTACCACATGCTCTTTGAACTATTCAA  
GAATGCCATGAGGGCCACGGTCGAGCATCAAGAAAACCGCCCTTCTGACACCAGTCGAGGCCACCGTC  
GTCTTGGGAAAAGAAGATCTTACAATCAAGATTTCTGACCGAGGTGGCGGTGTTCTCTGAGGATTACTG  
ACCGCCTTTTAGTTACACATACTCCACTGCTCCAACGCCTGTGATGGACAATTCACGGAATGCCCTTT  
GGCTGGTTTTGGTTACGGCTTGCCGATTTCCCGTCTCTACGCCAAGTATTTCAAGGAGATCTGAATCTC  
TATTCCATGTCAGGCTATGGGACAGATGCCATCATCTACTAAAGGCTTTATCATCTGAGTCTATAGAAA  
AACTCCCGCTTTAACAAGTCAGCCTTCAAACATTATCAGATGAGTTCTGAGGCTGATGACTGGTGTAT  
CCCAAGTAAGGAACCAAGAATCTGTGCAAGGAGAACTGGCAGTGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja3703\\_h06.zip](https://cdn.origene.com/chromatograms/ja3703_h06.zip)



[View online »](#)

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_053551
<b>Insert Size:</b>	1239 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_053551.1, NP_446003.1</u>
<b>RefSeq Size:</b>	1435 bp
<b>RefSeq ORF:</b>	1239 bp
<b>Locus ID:</b>	89813
<b>UniProt ID:</b>	<u>O54937</u>
<b>Cytogenetics:</b>	4q13
<b>Gene Summary:</b>	mediates glucose oxidation through inhibitory phosphorylation of the pyruvate dehydrogenase complex (PDC) [RGD, Feb 2006]