

## Product datasheet for **RR207496**

### **Pdk3 (NM\_001106581) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pdk3 (NM\_001106581) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pdk3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR207496 representing NM\_001106581  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGGATCGCC

ATGCGGCTCTTCTACCGCTGCTCAAGCAGCCGGTCCCCAAGCAGATCGAGCGCTACTCCCCTTCTCTC  
 CGTCGCGCTCTCTATCAAACAGTTCTGGACTTCGGAAGGGATAATGCATGTGAAAAACTTCATACAT  
 GTTTCTGCGCAAGGAGCTTCTGTGCGACTGGCTAACACCATGAGAGAGGTTAATCTTTTCCCGGATAAC  
 TTGTTGAACCGCCATCAGTGGGATTAGTTCAGAGTTGGTACATGCAGAGCTTCCTTGAACTTTTAGAAT  
 ATGAAAAACAAGAGCCAGAAAGATCCACGCTTTTAGATAAATTTCTCCACGTTTTGATAAATATCAGAAA  
 CAGACACAATGACGTTGTTCTACAATGGCCCAAGGCGTGATTGAGTACAAGGAAAAGTTCGGGTTTGT  
 CCATTCATTAGCAGTAACATTCAATATTTCTGGATCGGTTTTATACCAACCGCATTTCTTTCCGCATGC  
 TTATTAACCAGCACACCCTTCTGTTTGGTGGTGACTAACCCCGCTCATCCGAAACATATAGGGAGTAT  
 CGATCCCACCTGTAATGTAGCTGATGTGGTGAAGATGCATATGAAACAGCCAAGATGCTTTGTGAACAG  
 TATTACCTGGTAGCTCCAGAAGTGAAGATTGAAGAATCAATGCCAAAGCACCAAAACAACTATTTCAGG  
 TAGTTTATGTGCCGTACATCTGTTTCACATGCTATTTGAGTTGTTCAAGAAGTTCGATGAGAGCAACAGT  
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 CTTGCCAATTTCTCGACTGTATGCCAGATATTTTCAGGGAGATCTAAAACGTATTCCATGGAAGGAGTG  
 GGTACCGATGCTGTCAATTTTGAAGGCCCTTCAAGTGAATCCTTTGAGAGGCTGCCAGTTTCAATA  
 AGTCTGCATGGCGCCATTACAAGACCACTCCTGAAGCTGATGACTGGAGCAATCCAGCAGCGAACCAAG  
 GGATGCATCAAAATAAAGGCTAAACAGGACAAGATCAAGAGTAATAAAACTTTC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA



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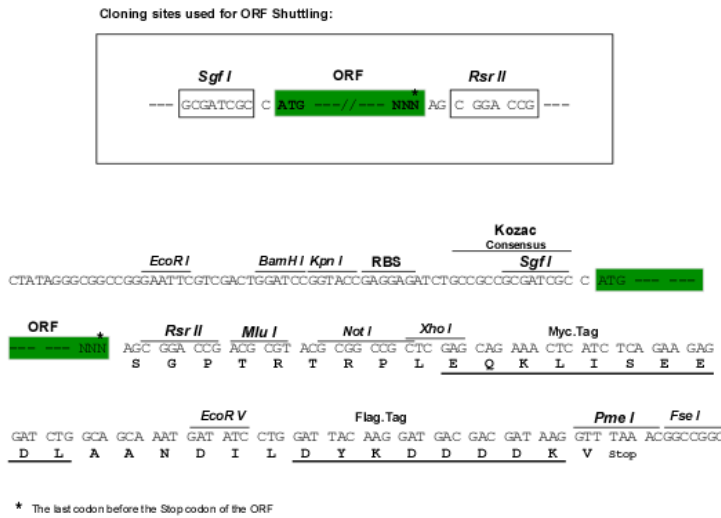
**Protein Sequence:** >RR207496 representing NM\_001106581  
Red=Cloning site Green=Tags(s)

MRLFYRLKQPVPKQIERYSRFSPLSIKQFLDFGRDNACEKTSYMFRLRKELPVRLANTMREVNLLPDN  
 LLNRPSVGLVQSWYMQSFLELLEYENKSPEDPRVLDNLFHVLINIRNRHNDVVPMTAQGVIEYKEKFGFD  
 PFISSNIQYFLDRFYTNRISFRMLINQHTLLFGGDTNPAHPKHIGSIDPTCNVADVVKDAYETAKMLCEQ  
 YYLVAPELEVEEFNAKAPNKPIQVYVPSHLFHLFELFKNSMRATVELYEDKKEGYPAVKTLVTLGKED  
 LSIKISDLGGGVPLRKIDRLFNYMYSTAPRPSLEPTRAAPLAGFGYGLPISRLYARYFQGDCLKYSMEGV  
 GTDAVIYLKALSSSEFERLPVFNKSAWRHYKTTP EADDWSNPSSPRDASKYKAKQDKIKSNKTF

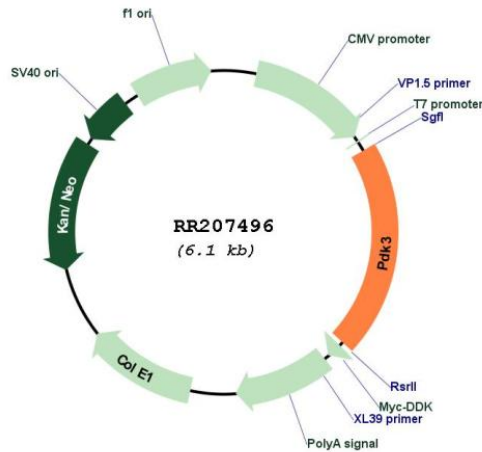
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001106581

<b>ORF Size:</b>	1245 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001106581.1</a> , <a href="#">NP_001100051.1</a>
<b>RefSeq Size:</b>	2209 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	296849
<b>Cytogenetics:</b>	Xq22
<b>MW:</b>	47.9 kDa