

## Product datasheet for **RN217083**

### **Pde4c (NM\_001276765) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pde4c (NM_001276765) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pde4c
Synonyms:	Dpde1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217083 representing NM\_001276765  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCGGAGTGGCAGCACCTGTCTTCTGTTGACTGAGCGAGTCCGAGAGCCAGTGGATTCTGGAG  
 TGGCCCTGTGAGCCACCTAGGTGGGGTGTGATCCTGAGACGGTTCAGGGACCCTGCTGCTGCCTCC  
 GCTGTCCAGCCGACTCGGGTCTCTGGGAGGCGGAGTCTGCTGCCCCCGTGGTTTTACCATCGGATCC  
 CGAGGGACAGAGAGAAGCCATGGCTCAGCTCAGAGCAGCTTTGACCTGGAAAATGGGCTCCCGAGCGGCA  
 GGGGTCCCTGGATGCTCAGTCCGGTTCGAGTCTCGGCCGCGCCCTCAAACCCCTGTGCATCACGGCCA  
 GCGGCGGAGTCTTCTGTACCGCTCGGACAGTGACCATGAGCCTTACCCAAGGCTGTGTCCCGGACC  
 TCCTCGGCGGCCAGCGACCTACATGGAGAAGACATGATTGTACACCCCTTCGCCAGGCTCTGGCCAGTC  
 TCAGGACGGTCCGTAGCAACGTGGTGCCTTGCACATGGCGGGCAGTCCACTAGGCAGGCGCTCCT  
 GGGGACCCCTCCGAGAGCAGCCAACAGGCCGCCAGCAGAGGAATCTGGGCTGCAGCTGGCGCAGGAG  
 ACACTGGAGGAGCTGGACTGGTGCCTGGAGCAGCTGGAGACACTGCAGACTCGTCTCGGTGGGGGAGA  
 TGGCTTCTAACAAGTTCAAGCGCATGCTCAACCGTGAGTTGACCCACCTGTCCGAAAACGACCGCTCAGG  
 GAACCAAGTGTGAGAGTACATCTCGCAGACTTCTCGACAGCAGGCTGAGGTGGAGCTGCCGGTCCG  
 CCCACGGAAGACCACCATGGCCATGGCCAGATCACTGGGCTGCGGAAGTCTTGCCACACCAGCCTTC  
 CTACAGCTGCCATCCCGCGCTTTGGGGTCCAGACAGACCAGGAGGAGCAGCTGGCTAAGGAGCTTGAAGA  
 CACCAACAAATGGGGATTCGATGTGTTAAAGTGGCTGAGCTGAGTGGGAACCGGCCCTCACTGCTGTT  
 ATCTTCAGCGTTCCTCAGGAACGGACCTGCTCAAGACGTTCCAGATCCCGCGGACACGCTGCTGAGGT  
 ACCTGTGACCCTCGAAGGGCACTACCACTCAACGTTGGGTACCACAACAGCATACATGTCTGCCGACGT  
 GGTGCAATCCGCGCACGTGTTGCTGGGCACCCAGCCCTGGAGGCTGTGTTACCGGACCTAGAAGTCTTG  
 GCCCCATCTTTGCGTGCCTATACACGATGTAGACCACCCAGGTGTCTCCAACCAAGTTTCTCATCAACA  
 CCAACTCGGAGCTGGCACTGATGTACAATGACTCATCGGTGCTAGAGAACCATCACCTCGCGGTAGGCTT  
 CAAGCTCTGCAGGGGAAAACCTGCGACATCTTCCAGAACCTCAGCACCAAGCAGAAAAGTGTCTGCGC  
 AGGATGGTATAGACATGGTACTGGCCACAGACATGTCCAAGCACATGAGCCTCTGGCTGACCTCAAGA  
 CCATGGTGGAGACCAAGAAAGTACTAGCCTTGGCGTCTGCTCTTGACAACACTCTGACCGCATCCA  
 GGTCTCCAGAGCCTGGTGCATGCGCCGACCTCAGCAACCTGCCAAGCCACTACCCCTCTACCGCCAG  
 TGGACGGAGCGCATCATGGCTGAGTTCTCCAGCAGGGTACCGGGAACGTGAGTCCGGCTTGGACATCA  
 GCCCATGTGCGACAAGCACACGCTCGGTGGAGAAATCCAGGTGGGATTCATTGACTACATCGCTCA  
 CCCATTGTGGAAACTTGGGCCGACCTGGTGCACCCCGATGCCAGGAGCTGCTGGATACCTTGGAGAG  
 AACAGAGAGTGGTATCAGAGTAGGGTCCCTGCAGCCCTCCACACGCCATTGGCCCTGACAGGTTCAAGT  
 TTGAGCTGACCCCTGGAGGAGACAGAGGAAGAGGAGGAAGAGGATGAAAGGCAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001276765

**Insert Size:** 2016 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).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

<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_001276765.1, NP_001263694.1</u>
<b>RefSeq Size:</b>	2161 bp
<b>RefSeq ORF:</b>	2016 bp
<b>Locus ID:</b>	290646
<b>Cytogenetics:</b>	16p14
<b>Gene Summary:</b>	putative nucleotide phosphodiesterase [RGD, Feb 2006]