

## Product datasheet for **RN200501**

### **Pde4d (NM\_001113332) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pde4d (NM_001113332) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pde4d
Synonyms:	DPDE3; PDE3/IVd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN200501 representing NM\_001113332  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTCAGCAGACGACAAGCCCGACACCCTTACAGTCCCTGAAGTGGATAATCCGCATGTTCCAAACC  
 CATGGCTCAATGAGGATCTTGTGAAATCCCTGCGGGAAAACCTGTTGCAGCACGAAAAGTCAAAGACAGC  
 GAGGAAATCCGTTTCTCCAAGCTCTCCCGGTGATTTCTCCAGGAATCCCCAGGCTCTGCGCAGG  
 ATGCTTCTGAGTAGCAACATCCCAAGCAGCGTCGCTTACAGTGGCACATACATGTTTCGATGTGGACA  
 ATGGCACATCAGCGGGACGGAGTCCCTTGGATCCCATGACCAGCCAGGGTCTGGGCTAATTCTCCAAGC  
 AAATTTGTGCACAGTCAACGCCGGGAGTCTTCTGTATCGATCAGACAGCGATTATGACCTCTCTCCA  
 AAGTCTATGTCCAGAACTCCTCGATTGCCAGTGATACATGGAGATGACTTGATTGTGACTCCATTTG  
 CTCAGGCTTGGCCAGCCTTCAACTGTAAAGAACTTTGCTGCATTAATAATTTGCAAGATCGCGC  
 ACCCAGCAAAGATCACCCATGTGCAACCAACCATCCATCAACAAGCCACCATCACAGAGGAGGCTAC  
 CAGAAACTGGCCAGCAGACCCTGGAGGAGCTGGACTGGTGTCTGGACCAGCTAGAGACCCTGCAGACCA  
 GGCACTCCGTGAGTGGATGGCCTCCAACAAGTCAAGAGGATGCTTAATCGGGAGCTCACCCACCTCTC  
 TGAAATGAGTCGGTCTGGCAACCAGGTGTGGAGTACATATAAACACGTTCTTAGATAAGCAACATGAA  
 GTAGAAATTCCTCTCCGACTCAGAAGGAAAAGAGAAGAAGAAAAGGCCGATGTACAGATCAGTGGGG  
 TCAAGAAGTTGATGCACAGCTCCAGCCTGACCAATTCCTGCATTCGAAGATTTGGGGTAAAAACAGAGCA  
 GGAAGATGTCTGGCCAAGGAACTAGAAGACGTGAACAAGTGGGGCTCCAGTTTTCCGAATAGCGGAG  
 CTGTCTGGCAACCGCCTCTGACTGTTATCATGCACACCATTTTTTCAGGAACGAGATTTGTTAAAAACGT  
 TAAAAATCCCAGTGGACACTTTGATTACGTATCTTATGACTCTAGAAGACCATTACCATGCTGACGTGGC  
 CTATCACAAACATCCATGCTGCAGATGTCGTCAGTCAACTCATGTGCTGCTCTACACCCGCTTTG  
 GAGGCTGTTTTACTGACTTGGAGATTCTCGCGCCATTTTTGCCAGTGAATACATGATGTGGATCATC  
 CTGGTGTGTCAAATCAATTTCTGATCAATACAACTCGGAACTTGCTTGTGATGTACAACGACTCCTCCGT  
 CTTAGAGAATCATCATTGGCTGTGGGCTTTAAGTTGCTCCAGGAAGAAAAGTGTGACATTTTCCAGAAT  
 CTGACCAAAAAGCAAAGACAATCTTTAAGGAAAATGGCCATTGACATTGTACTAGCGACAGACATGTCAA  
 AGCACATGAATCTGCTGGCTGATCTGAAAACAATGGTTGAAACGAAGAAGGTGACGAGCTCTGGCGTCT  
 CCTCTTGATAACTATTCTGACAGGATCCAGTCTCCAGAATATGGTGCAGTGTGCAGACCTGAGCAAC  
 CCCACAAAGCCACTCCAGCTCTACCGCCAGTGGACGGACCGGATAATGGAGGAGTCTTCCGTCAGGGGG  
 ACCGGGAGCGTGAGCGTGGCATGGAGATAAGTCCCATGTGTGACAAGCACACGCCTCTGTGAAAAATC  
 ACAGGTGGGCTTCATAGACTACATTGTTTCACTCTGGGAGACATGGGCGAGACCTCGTACATCCCGAC  
 GCCCAGGACATTTTGGCACTTTGGAGGACAATCGTGAGTGGTACCAGAGCACAATCCCCAGAGCCCT  
 CCCCTGCACCTGATGACCAAGAGGACGGCCGTCAGGGACAGACTGAAAAATTCAGTTTCAAATAACCTT  
 AGAGGAAGATGGCGAGTCAGACACTGAAAAGGACAGTGGAAAGTCAAGTGGAGGAAGACACTAGCTGCAGT  
 GACTCTAAGACTCTGTGCACCAAGACTCAGAGTCCACTGAAATTCCTTGGACGAGCAGGTTGAAGAGG  
 AGGCTGTAGCAGAAGAGGAAAGCCAGCCCCAACTGGCGTCGCAGACGATTGTTGTCTGACACGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001113332  
**Insert Size:** 2238 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).

<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_001113332.1, NP_001106803.1</u>
<b>RefSeq Size:</b>	2322 bp
<b>RefSeq ORF:</b>	2238 bp
<b>Locus ID:</b>	24627
<b>UniProt ID:</b>	<u>P14270</u>
<b>Cytogenetics:</b>	2q14
<b>Gene Summary:</b>	<p>may contain eight isoforms that display differential expression and activities; isoforms Pde4D6 and Pde4D7 exhibit high affinity for cyclic AMP and are inhibited by rolipram [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (3) has an alternate 5' coding exon, as compared to variant 1. The resulting isoform (3) has a shorter N-terminus, as compared to isoform 1.</p>