

## Product datasheet for **RN200500**

### **Pde4d (NM\_001113329) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pde4d (NM_001113329) 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:** >RN200500 representing NM\_001113329  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAGGAACACTTGGCATGTACTTTCTCGGAGCAAAAAGTGCCTCTGAGGAAACATTGCACTCCTGTA  
 ATGATGAAGAGGACCCCTTCCGGGAATGGAGCCCTATCTCGTACGGAGACTTTCATCCCGCAGCATCCA  
 GCTTCCTCCTCTTGCCTTCAAGACAGTTGGAGCAACCGGACTTGGCAAGCGAATCAGAGAACATCCGCGG  
 CCAACTAGCCTCCCTTAAAAATCCTGCCGCTGATTGCTGTACATCCGCAGACTCGACTGGTTTCGATG  
 TGGACAATGGCACATCAGCGGGACGGAGTCCCTTGGATCCCATGACCAGCCAGGGTCTGGGCTAATTCT  
 CCAAGCAAACCTTGTGCACAGTCAACGCCGGGAGTCCCTTCTGTATCGATCAGACAGCGATTATGACCTC  
 TCTCCAAAGTCTATGTCCAGGAACCTCGATTGCCAGTGATATACATGGAGATGACTTGATTGTGACTC  
 CATTGCTCAGGCTTGGCCAGCCTTGAAGTGAAGAAACAACCTTGTGCATTAATAATTTGAAGA  
 TCGCGCACCCAGCAAAAGATCACCCATGTGCAACCAACCATCCATCAACAAAGCCACCATCACAGAGGAG  
 GCCTACCAGAAACTGGCCAGCGAGACCCTGGAGGAGCTGGACTGGTGTCTGGACCAGCTAGAGACCCTGC  
 AGACCAGGCACTCCGTCACTGAGTGGCCTCCAACAAGTTCAAGAGGATGCTTAATCGGGAGCTCACCCA  
 CCTCTCTGAAATGAGTCCGTCTGGCAACCAGGTGTCCGAGTACATATCAAACACGTTCTTAGATAAGCAA  
 CATGAAGTAGAAATCCCTCTCCGACTCAGAAGGAAAAAGAGAAGAAGAAAGGCCGATGTCACAGATCA  
 GTGGGGTCAAGAAGTTGATGCACAGCTCCAGCCTGACCAATTCCTGCATTCCAAGATTTGGGGTAAAAAC  
 AGAGCAGGAAGATGTCTGGCAAGGAACTAGAAGACGTGAACAAGTGGGGCCTCCACGTTTTCCGAATA  
 GCGGCTGTCTGGCAACCGCCTCTGACTGTTATCATGCACACCATTTTCAGGAACGAGATTTGTTAA  
 AAACGTTTAAAAATCCAGTGGACACTTTGATTACGTATCTTATGACTCTAGAAGACCATTACCATGTCTGA  
 CGTGGCCTATCACAACAACATCCATGCTGCAGATGCTCCAGTCAACTCATGTGCTGCTCTACACCC  
 GCTTTGGAGGCTGTTTTCACTGACTTGGAGATTCTCGCGGCCATTTTTGCCAGTGAATACATGATGTGG  
 ATCATCTGTGTGCAATCAATTTCTGATCAATACAACTCGGAACTTGCCTTGATGTACAACGACTC  
 CTCCGTCTTAGAGAATCATCATTGGCTGTGGCTTTAAGTTGCTCCAGGAAGAAAATGTGACATTTTC  
 CAGAATCTGACAAAAAGCAAAGACAATCTTAAAGGAAAATGGCCATTGACATTGTACTAGCGACAGACA  
 TGTCAAAGCACATGAATCTGCTGGCTGATCTGAAAACAATGGTTGAAACGAAGAAGTGACGAGCTCTGG  
 CGTCTCTCCTTGATAACTATTCTGACAGGATCCAGTCCCTCCAGAATATGGTGCAGTGTGCAGACCTG  
 AGCAACCCCAAAAGCCACTCCAGCTCTACCGCCAGTGGACGGACCGGATAATGGAGGAGTTCTTCCGTC  
 AGGGGGACCGGGAGCGTGAGCGTGGCATGGAGATAAGTCCCATGTGTGACAAGCACAACGCCTCTGTGGA  
 AAAATCACAGGTGGGCTTCATAGACTACATTGTTTCATCCACTCTGGGAGACATGGGCAGACCTCGTACAT  
 CCCGACGCCCAGGACATTTTGGACACTTGGAGGACAATCGTGAGTGGTACCAGAGCACAAATCCCCCAGA  
 GCCCTCCCTGCACCTGATGACCAAGAGGACGGCCGTGACGGACAGACTGAAAAATTCAGTTCGAACT  
 AACCTTAGAGGAAGATGGCGAGTCAAGACTGAAAAGGACAGTGGAAAGTCAAGTGGAGGAAGACTAGC  
 TGCAGTACTCTAAGACTCTGTGCACCCAAGACTCAGAGTCCACTGAAATTTCCCTTGCAGAGCAGGTTG  
 AAGAGGAGGCTGTAGCAGAAGAGGAAAGCCAGCCCCAACTGGCGTCGCAGACGATTGTTGCTCTGACAC  
 GTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001113329  
**Insert Size:** 2244 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>	<a href="#">NM_001113329.1</a> , <a href="#">NP_001106800.1</a>
<b>RefSeq Size:</b>	2385 bp
<b>RefSeq ORF:</b>	2244 bp
<b>Locus ID:</b>	24627
<b>UniProt ID:</b>	<a href="#">P14270</a>
<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 (2) has an alternate 5' coding sequence including two exons, as compared to variant 1. The resulting isoform (2) has a shorter N-terminus, as compared to isoform 1.</p>