

## Product datasheet for **RR200497**

### **Pde4d (NM\_017032) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pde4d (NM_017032) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pde4d
Synonyms:	DPDE3; PDE3/IVd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RR200497 representing NM\_017032  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGCATGTGAATACCTTCCCTTTCAGAAGGCATTCTGGATATGTTTCGATGTGGACAATGGCACAT  
 CAGCGGGACGGAGTCCCTTGGATCCCATGACCAGCCAGGGTCTGGGCTAATTCTCCAAGCAAACCTTGT  
 GCACAGTCAACGCCGGGAGTCCCTTCTGTATCGATCAGACAGCGATTATGACCTCTCTCCAAAGTCTATG  
 TCCAGGAACTCCTCGATTGCCAGTGATACATGGAGATGACTTGATTGTGACTCCATTTGCTCAGGTCT  
 TGGCCAGCCTTGAAGTGAAGAAACAACCTTGTGCTGATTAATAATTTGCAAGATCGCGCACCCAGCAA  
 AAGATCACCCATGTGCAACCAACCATCCATCAACAAAGCCACCATCACAGAGGAGGCCTACCAGAAACTG  
 GCCAGCGAGACCCTGGAGGAGCTGGACTGGTGTCTGGACCAGCTAGAGACCCTGCAGACCAGGCACTCCG  
 TCAGTGAGATGGCTCCAACAAGTCAAGAGGATGCTTAATCGGGAGCTCACCCACCTCTCTGAAATGAG  
 TCGGTCTGGCAACCAGGTGTCGGAGTACATATCAAACACGTTCTTAGATAAGCAACATGAAGTAGAAATT  
 CCCTCTCCGACTCAGAAGGAAAAAGAGAAGAAGAAAAGGCCGATGTCACAGATCAGTGGGGTCAAGAAGT  
 TGATGCACAGCTCCAGCCTGACCAATTCCTGCATTCCAAGATTTGGGGTAAAACAGAGCAGGAAGATGT  
 CCTGGCCAAGGAACTAGAAGACGTGAACAAGTGGGGCCTCCACGTTTTCCGAATAGCGGAGCTGTCTGGC  
 AACCGGCTCTGACTGTTATCATGCACACCATTTTCAGGAACGAGATTTGTTAAAAACGTTTAAAAATCC  
 CAGTGGACACTTTGATTACGTATCTTATGACTCTAGAAGACCATTACCATGCTGACGTGGCCTATCACAA  
 CAACATCCATGCTGCAGATGTCGTCAGTCAACTCATGTGCTGCTCTACACCCGCTTTGGAGGCTGTT  
 TTCCTGACTTGGAGATTCTCGCGGCCATTTTGGCAGTGAATACATGATGTGGATCATCTGGTGTGT  
 CAAATCAATTTCTGATCAATACAACTCGGAATTGCCTTGATGTACAACGACTCCTCCGCTTAGAGAA  
 TCATCATTTGGCTGTGGCTTTAAGTTGCTCCAGGAAGAAAAGTGTGACATTTTCCAGAATCTGACCAAA  
 AAGCAAAGACAATCTTTAAGGAAAATGGCCATTGACATTGTAAGTAGCGACAGACATGTCAAAGCACATGA  
 ATCTGCTGGCTGATCTGAAAACAATGGTTGAAACGAAGAAGGTGACGAGCTCTGGCGTCTCCTCCTTGA  
 TAACTATTCTGACAGGATCCAGTCCCTCCAGAATATGGTGCAGTGTGCAGACCTGAGCAACCCACAAAAG  
 CCACTCCAGCTCTACCGCAGTGGACGGACCGGATAATGGAGGAGTCTTCCGTCAGGGGGACCGGGAGC  
 GTGAGCGTGGCATGGAGATAAGTCCCATGTGTGACAAGCACACGCCTCTGTGGAAAAATCACAGGTGGG  
 CTTTCATAGACTACATTGTTTCATCCACTCTGGGAGACATGGGCAGACCTCGTACATCCCGACGCCCAGGAC  
 ATTTTGGACACTTTGGAGGACAATCGTGAGTGGTACCAGAGCACAAATCCCCAGAGCCCCCTCCCCTGCAC  
 CTGATGACCAAGAGGACGCCGTGAGGACAGACTGAAAAATTCCAGTTCGAACTAACCTTAGAGGAAGA  
 TGGCGAGTCAGACACTGAAAAGGACAGTGGAAAGTCAAGTGGAGGAAGACACTAGCTGCAGTGACTCTAAG  
 ACTCTGTGCACCAAGACTCAGAGTCCACTGAAATTTCCCTTGACGAGCAGGTTGAAGAGGAGGCTGTAG  
 CAGAAGAGGAAAGCCAGCCCCAACTGGCGTCGCAGACGATTGTTGTCCTGACACG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR200497 representing NM\_017032  
Red=Cloning site Green=Tags(s)

```
MMHVNTFFRRHSWICFDVDNGTSAGRSPLDPMTPSPGSLILQANFVHSQRRESFLYRSDSDYDLSPKSM
SRNSSIASDIHGDDLIVTPFAQVLASLRTVRRNF AALTNLQDRAPSKRSPMCNQPSINKATITEEAYQKL
ASETLEELDWC LDQLETLQTRHSVSEMASNFKFRMLNRELTHLSEMSRSGNQVSEYISNTFLDKQHEVEI
PSPTQKEKEKKRPM SQISGVKKLMHSSSLTNSCIPRFVGVKTEQEDVLAKEL EDVNK WGLHVFRI AELSG
NRPLTVIMHTIFQERDLLKTFKIPVDTLITYLMTLEDHYHADVA YHNNIHAADVQSTHVLLSTPALEAV
FTDLEILAAIFASAIHDVDHPGVSNQFLINTNSELALMYNDSSVLENHHLAVGFKLLQEENC DIFQNLTK
KQRQSLRKM AIDIVLATDMSKHMNLLADLKT MVETK KVTSSGVLLLDNYS DRIQVLQNMVHCADLSNPTK
PLQLYRQWTD RIMEEFFRQGDRE RERERGMEISPMCDKHNASVEKSQVGFIDYIVHPLWETWADLVHPDAQD
ILDLTLEDNREWYQSTIPQSPSPAPDDQEDGRQGQTEKFQFELTLEEDGESDTEKDSGSQVEEDTSCSDSK
TLCTQDSESTEIPLDEQVEEEAVAEESQPQTGVADDCCPDT
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_017032

**ORF Size:** 2016 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_017032.1](#), [NP\\_058728.1](#)

**RefSeq Size:** 2077 bp

**RefSeq ORF:** 2019 bp

**Locus ID:** 24627

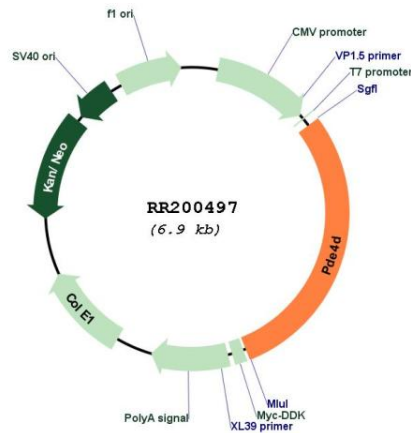
**UniProt ID:** [P14270](#)

**Cytogenetics:** 2q14

**MW:** 76.3 kDa

**Gene Summary:** 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]

**Product images:**



Circular map for RR200497