

Product datasheet for **RR200499**

Pde4d (NM_001113328) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Pde4d (NM_001113328) 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:

>RR200499 representing NM_001113328
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGCAGAGGGCAGCAGCGTGCCGGCCGGGCGGGCAGCGACGAGGGCAGCGACAGCTCTGGAGGGG
 CCGCGCTCAAAGCCCCAAGCATCTCTGGAGGCAGCAGCAGCACCACAGTACCCGCTCCGGCAGCCCCA
 GTTCCGCCTTTGCACCCCCATCACACCTGCCCCCGCCGCCACCCTCGCCCCAGCCCCAGCTGCAG
 CCACCACCACGCCCCCACTGCCACCACCCCGCCACCGCCGGAGCTACCCGTGGTCGCTACGCTCAA
 GCGGGGCTAGCCGCGTCCGGCACCAGCGGCTACTCGGACACGGAGCGCTACCTGTACTGCCGTGCCATGGA
 CCGCACCTCTACGCGGTGGAGACTGGTCACCGGCCAGGCCTGAAGAAATCTAGGATGTCCTGGCCCTCG
 TCTTTCCAGGGACTCAGACGTTTCGATGTGGACAATGGCAGCAGCGGGACGGAGTCCCTTGGATCCCA
 TGACCAGCCCAGGGTCTGGGCTAATCTCCAAGCAAATTTGTGCACAGTCAACGCCGGGAGTCTTCTCT
 GTATCGATCAGACAGCGATTATGACCTCTCTCAAAGTCTATGTCCAGGAACCTCTCGATTGCCAGTGAT
 ATACATGGAGATGACTTGATTGTGACTCCATTTGCTCAGGTCTTGCCAGCCTTCGAACTGTAAGAAACA
 ACTTTGCTGCATTAATAATTTGCAAGATCGCGCACCCAGCAAAAGATCACCCATGTGCAACCAACCATC
 CATCAACAAAGCCACCATCACAGAGGAGGCCTACCAGAAACTGGCCAGCGAGACCCTGGAGGAGCTGGAC
 TGGTGTCTGGACCAGCTAGAGACCCTGCAGACCAGGCACTCCGTGAGTGAGATGGCTCCAACAAGTTCA
 AGAGGATGCTTAATCGGGAGCTCACCCACCTCTCTGAAATGAGTCGGTCTGGCAACCAGGTGTGGAGTA
 CATATCAAACACGTTCTTAGATAAGCAACATGAAGTAGAAATCCCTCTCCGACTCAGAAGGAAAAAGAG
 AAGAAGAAAAGCCGATGTCACAGATCAGTGGGGTCAAGAAGTTGATGCACAGCTCCAGCCTGACCAATT
 CCTGCATTCCAAGATTTGGGGTAAAAACAGAGCAGGAAGATGTCCTGGCCAAGGAATAGAAGACGTGAA
 CAAGTGGGGCCTCCACGTTTTCCGAATAGCGGAGCTGTCTGGCAACCGGCCTCTGACTGTTATCATGCAC
 ACCATTTTTAGGAACGAGATTTGTTAAAAACGTTTTAAAAATCCCAGTGGACACTTTGATTACGTATCTTA
 TGACTCTAGAAGACCATTACCATGCTGACGTGGCCTATCACAACAACATCCATGCTGCAGATGTCGTCCA
 GTCAACTCATGTGCTGCTCTACACCCGCTTTGGAGGCTGTTTTCACTGACTTGGAGATTCTCGCGGCC
 ATTTTTGCCAGTGCAATACATGATGTGGATCATCTGGTGTGTCAAATCAATTTCTGATCAATACAACT
 CGGAACCTGCCTTGATGTACAACGACTCCTCCGTCTTAGAGAATCATATTTGGCTGTGGCTTTAAGTT
 GCTCCAGGAAGAAAAGTGTGACATTTCCAGAATCTGACCAAAAAGCAAAGACAATCTTTAAGGAAAATG
 GCCATTGACATTGACTAGCGACAGACATGTCAAAGCACATGAATCTGCTGGCTGATCTGAAAACAATGG
 TTGAAACGAAGAAGGTGACGAGCTCTGGCGTCCCTCCTTGATAACTATTCTGACAGGATCCAGGTCTC
 CCAGAATATGGTGCACTGTGCAGACCTGAGCAACCCACAAAGCCACTCCAGCTCTACCGCCAGTGGACG
 GACCGGATAATGGAGGAGTTCTCCGTCAGGGGACCGGGAGCGTGAGCGTGGCATGGAGATAAGTCCCA
 TGTGTGACAAGCACAACGCTCTGTGAAAAATCACAGGTGGGCTTCATAGACTACATTGTTATCCACT
 CTGGGAGACATGGGCAGACCTCGTACATCCCGACGCCAGGACATTTGGACACTTTGGAGGACAATCGT
 GAGTGGTACCAGAGCACAAATCCCCAGAGCCCCCTCCCTGCACCTGATGACCAAGAGGACGGCCGTGAG
 GACAGACTGAAAAATCCAGTTCGAACTAACCTTAGAGGAAGATGGCGAGTCAGACACTGAAAAGGACAG
 TGGAAGTCAAGTGGAGGAAGACTAGCTGCAGTGACTTAAGACTCTGTGCACCAAGACTCAGAGTCC
 ACTGAAATTCCTTGGAGCAGGTTGAAGAGGAGGCTGTAGCAGAAGAGGAAAGCCAGCCCCAACTG
 CGTGCAGACGATTGTTGCTGACACGGCGTGCAGACGATTGTTGCTGACAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200499 representing NM_001113328
Red=Cloning site Green=Tags(s)

MEAEGSSVPARAGSDEGSDDSSGGAALKAPKHLWRHEQHHQYPLRQPFRLLHPHHHLPPPPPPSPQPQLQ
PPPPPLPPPPPPGATRGRYASSGASRVHRGYS DTERYL YCRAMDRTSYAVETGHRPGLKSRMSWPS
SFQGLRRFDVNGTSAGRSPLDPMTSPGSGLILQANFVHSQRRESFLYRSDSDYDLSPKSMRNSSIASD
IHGDDLIVTPFAQVLA SLR TVRNNFAALTNLQDRAPSKRSPMCNQP SINKATITEEAYQKLASETLEELD
WCLDQLETLQTRHSVSEMASNFKRMLNRELTHLSEMSRSGNQVSEYISNTFLDKQHEVEIPSP TQKEKE
KKKRPMSQISGVK KLMHSSSLTNSCIPRFGVKTEQEDVLAKELEDV NKWGLHVFRIAELSGNRPLTVIMH
TIFQERDLLKTFKIPVDLITYLMTLEDHYHADVAYHNNIHAADV VQSTHVLLSTPALEAVFTDLEILAA
IFASAIHDVDHPGVSNQFLINTNSELALMYNDSSVLENHHLAVGFKLLQEENC DIFQNLTKKQRQSLRKM
AIDIVLATDMSKHMNLLADLKT MVETKKVTSSGVLLLDNYSDRIQVLQNMVHCADLSNPTKPLQLYRQWT
DRIMEEFFRQGDRE RERGMEISPMCDKHNASVEKSQVGFIDYIVHPLWETWADLVHPDAQDILDTLEDNR
EWYQSTIPQSPSPAPDDQEDGRQGQTEKFQFELTLEEDGE SDTEKDSGSQVEEDTSCSDSKTLCTQDSES
TEIPLDEQVEEEA VAEESQPQTGVADDCCPDTASQTIVVLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1603_a07.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001113328

ORF Size: 2409 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 Size: 2470 bp

RefSeq ORF: 2412 bp

Locus ID: 24627

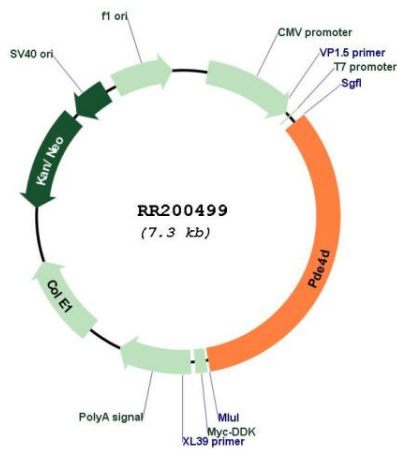
UniProt ID: [P14270](#)

Cytogenetics: 2q14

MW: 90.5 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 RR200499