

Product datasheet for **RR200498**

Pde4d (NM_001113334) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde4d (NM_001113334) 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:

>RR200498 representing NM_001113334
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTTTCGTTGGGATCCTCTGGGAGTCACAGTGCCAGGTCCATCTCCAAGAAGTACAGGACAAGATTGC
 GTTCTCAAAGTCTACAGTTTCGATGTGGACAATGGCACATCAGCGGGACGGAGTCCCTTGGATCCCAT
 GACCAGCCAGGGTCTGGGCTAATTCTCCAAGCAAACCTTGTGCACAGTCAACGCCGGGAGTCTTCCTG
 TATCGATCAGACAGGATTATGACCTCTCTCAAAGTCTATGTCCAGGAAGTCTCGATTGCCAGTGATA
 TACATGGAGATGACTTGATTGTGACTCCATTTGCTCAGGTCTTGGCCAGCCTTGAAGTGAAGAAACAA
 CTTTGCTGCATTAATAATTTGCAAGATCGCGCACCCAGCAAAGATCACCCATGTGCAACCAACCATCC
 ATCAACAAAGCCACCATCACAGAGGAGGCTACCAGAACTGGCCAGCGAGACCTGGAGGAGCTGGACT
 GGTGTCTGGACCAGCTAGAGACCCTGCAGACCAGGCACTCCGTGAGTGGATGGCTCCAACAAGTTCAA
 GAGGATGCTTAATCGGGAGCTCACCCACCTCTCTGAAATGAGTCGGTCTGGCAACCAGGTGTCGGAGTAC
 ATATCAAACACGTTCTTAGATAAGCAACATGAAGTAGAAATTCCTCTCCGACTCAGAAGGAAAAAGAGA
 AGAAGAAAAGGCCGATGTACAGATCAGTGGGGTCAAGAAGTTGATGCACAGCTCCAGCCTGACCAATTC
 CTGCAATCCAAGATTTGGGGTAAAACAGAGCAGGAAGATGTCCTGGCCAAGGAAGTGAAGACGTGAAC
 AAGTGGGGCTCCACGTTTCCGAATAGCGGAGCTGTCTGGCAACCGGCCTCTGACTGTTATCATGCACA
 CCATTTTTTCAGGAACGAGATTTGTTAAAAACGTTAAAAATCCCAGTGGACACTTTGATTACGTATCTTAT
 GACTCTAGAAGACCATTACCATGCTGACGTGGCCTATCACAACAACATCCATGCTGCAGATGTCGTCAG
 TCAACTCATGTGCTGCTCTACACCCGCTTTGGAGGCTGTTTCACTGACTTGGAGATTCTCGCGGCCA
 TTTTTGCCAGTGAATACATGATGTGGATCCTCTGGTGTCAAATCAATTTCTGATCAATACAAACTC
 GGAATTCGCTTGATGTACAACGACTCCTCCGTCTTAGAGAATCATCATTTGGCTGGGCTTTAAGTTG
 CTCCAGGAAGAAAAGTGTGACATTTCCAGAATCTGACCAAAAAGCAAAGACAATCTTTAAGGAAAATGG
 CCATTGACATTGTACTAGCGACAGACATGTCAAAGCACATGAATCTGCTGGCTGATCTGAAAAAATGGT
 TGAAACGAAGAAGGTGACGAGCTCTGGCGTCTCCTCTGATAACTATTCTGACAGGATCCAGGTCCTC
 CAGAATATGGTGCAGTGTGCAGACCTGAGCAACCCACAAAGCCACTCCAGCTCTACCGCCAGTGGACGG
 ACCGGATAATGGAGGAGTTCTCCGTGAGGGGACCGGGAGCGTGAAGCGTGGCATGGAGATAAGTCCCAT
 GTGTGACAAGCACAACGCCTCTGTGAAAAATCACAGGTGGGCTTCATAGACTACATTGTTTCATCCACTC
 TGGGAGACATGGGAGACCTCGTACATCCCGACGCCAGGACATTTGGACACTTTGGAGGACAATCGTG
 AGTGGTACCAGAGCAATCCCCAGAGCCCTCCCTGCACCTGATGACCAAGAGGACGGCCGTCAGGG
 ACAGACTGAAAAATTCAGTTTCAACTAACCTTAGAGGAAGATGGCGAGTCAAGACTGAAAAGGACAGT
 GGAAGTCAAGTGGAGGAAGACACTAGCTGCAGTACTCTAAGACTCTGTGCACCAAGACTCAGAGTCCA
 CTGAAATTCCTTACGAGCAGGTTGAAGAGGAGGCTGTAGCAGAAGAGGAAAGCCAGCCCAAAGTGG
 CGTCGACAGCATTGTTGCTGACACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200498 representing NM_001113334
Red=Cloning site Green=Tags(s)

MAFVWDPLGVTVPGPSRTRTRLRFSKSYSFDVDNGTSAGRSPLDPMTSPGSLILQANFVHSQRRESFL
 YRSDSDYDLSPKSMSRNSIASDIHGDDLIVTPFAQVLAASLRTVRNNFAALTNLQDRAPSKRSPMCNQPS
 INKATITEEAYQKLASETLEELDWCLDQLETLQTRHSVSEMASNFKRMLNRELTHLSEMSRSGNQVSEY
 ISNTFLDKQHEVEIPSPQTQKEKEKKRPMSEQISGVKMLMHSSSLTNSCIPRFGVKTEQEDVLAKELDVN
 KWGLHVFRIAEELSGNRPLTVIMHTIFQERDLLKTFKIPVDLITYLMTLEDHYHADVAYHNNIHAADVQ
 STHVLLSTPALEAVFTDLEILAAIFASAIHDVDHPGVSNOFLINTNSELALMYNDSSVLENHHLAVGFKL
 LQEENDIFQNLTKKQRQSLRKMAIDIVLATDMSKHMNLLADLKTVMETKVTSSGVLNLDNYSRIQVL
 QNMVHCADLSNPTKPLQLYRQWTDRIEEMFFRQGDREMERGMEISPMCDKHNASVEKSQVGFIDYIVHPL
 WETWADLVHPDAQDILDLTLEDNREWYQSTIPQSPSPAPDDQEDGRQGQTEKFQFELTLEEDGESDTEKDS
 GSQVEEDTSCSDSKTLCTQDSESTEIPLDEQVEEEAVAEESQPQTGVADDCPPDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001113334

ORF Size: 2058 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_001113334.1](#), [NP_001106805.1](#)

RefSeq Size: 2159 bp

RefSeq ORF: 2061 bp

Locus ID: 24627

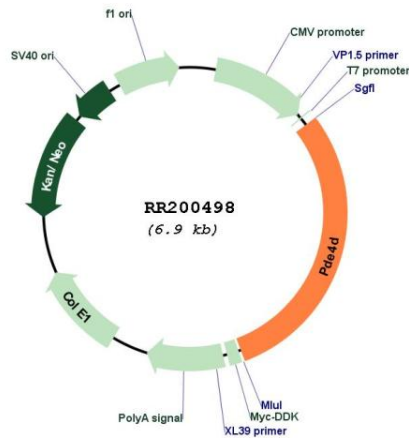
UniProt ID: [P14270](#)

Cytogenetics: 2q14

MW: 77.6 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 RR200498