

Product datasheet for **RN200497**

Pde4d (NM_017032) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde4d (NM_017032) 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: >RN200497 representing NM_017032
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGCATGTGAATACCTTCCCTTTCAGAAGGCATTCTGGATATGTTTCGATGTGGACAATGGCACAT
 CAGCGGGACGGAGTCCCTTGGATCCCATGACCAGCCAGGGTCTGGGCTAATTCTCCAAGCAAACCTTGT
 GCACAGTCAACGCCGGGAGTCCCTTCTGTATCGATCAGACAGCGATTATGACCTCTCTCCAAAGTCTATG
 TCCAGGAACCTCTCGATTGCCAGTGATACATGGAGATGACTTGATTGTGACTCCATTTGCTCAGGTCT
 TGGCCAGCCTTCGAAGTGAAGAAACAACCTTGTGCTGATTAATAATTTGCAAGATCGCGCACCCAGCAA
 AAGATCACCCATGTGCAACCAACCATCCATCAACAAAGCCACCATCACAGAGGAGGCTACCAGAAACTG
 GCCAGCGAGACCCTGGAGGAGCTGGACTGGTGTCTGGACCAGCTAGAGACCCTGCAGACCAGGCACTCCG
 TCAGTGAGATGGCTCCAACAAGTCAAGAGGATGCTTAATCGGGAGCTCACCCACCTCTCTGAAATGAG
 TCGGTCTGGCAACCAGGTGTCGGAGTACATATCAAACACGTTCTTAGATAAGCAACATGAAGTAGAAATT
 CCCTCTCCGACTCAGAAGGAAAAAGAGAAGAAGAAAAGGCCGATGTCACAGATCAGTGGGGTCAAGAAGT
 TGATGCACAGCTCCAGCCTGACCAATTCCTGCATTCCAAGATTTGGGGTAAAACAGAGCAGGAAGATGT
 CCTGGCCAAGGAAGTGAAGACGTGAACAAGTGGGGCCTCCACGTTTTCCGAATAGCGGAGCTGTCTGGC
 AACCGGCTCTGACTGTTATCATGCACACCATTTTCAGGAACGAGATTTGTTAAAAACGTTTAAAAATCC
 CAGTGGACACTTTGATTACGTATCTTATGACTCTAGAAGACCATTACCATGCTGACGTGGCCTATCACA
 CAACATCCATGCTGCAGATGTCGTCAGTCAACTCATGTGCTGCTCTACACCCGCTTTGGAGGCTGTT
 TTCCTGACTTGGAGATTCTCGCGGCCATTTTGGCCAGTGAATACATGATGTGGATCATCCTGGTGTGT
 CAATCAATTTCTGATCAATAAACTCGGAATTGCCTTGATGTACAACGACTCCTCCGCTTAGAGAA
 TCATCATTGGCTGTGGCTTTAAGTTGCTCCAGGAAGAAAAGTGTGACATTTTCCAGAATCTGACCAAA
 AAGCAAAGACAATCTTTAAGGAAAATGGCCATTGACATTGTAAGTACTAGCGACAGACATGTCAAAGCACATGA
 ATCTGCTGGCTGATCTGAAAACAATGGTTGAAACGAAGAAGGTGACGAGCTCTGGCGTCTCCTCCTTGA
 TAACTATTCTGACAGGATCCAGGCTCCAGAATATGGTGCAGTGTGCAGACCTGAGCAACCCACAAAAG
 CCACTCCAGCTCTACCGCAGTGGACGGACCGGATAATGGAGGAGTCTTCCGTCAGGGGGACCGGGAGC
 GTGAGCGTGGCATGGAGATAAGTCCCATGTGTGACAAGCACAACGCTCTGTGGAAAAATCACAGGTGGG
 CTTTCATAGACTACATTGTTTCATCCACTCTGGGAGACATGGGCAGACCTCGTACATCCCGACGCCAGGAC
 ATTTTGGACACTTTGGAGACAATCGTGAGTGGTACCAGAGCACAATCCCCAGAGCCCCCTCCCCTGCAC
 CTGATGACCAAGAGGACGCCGTAGGGACAGACTGAAAAATTCAGTTCGAAGTAACTTAAAGGGAAGA
 TGGCGAGTCAGACACTGAAAAGGACAGTGGAAAGTCAAGTGGAGGAAGACACTAGTGCAGTGACTCTAAG
 ACTCTGTGCACCAAGACTCAGAGTCCACTGAAATTTCCCTTGACGAGCAGGTTGAAGAGGAGGCTGTAG
 CAGAAGAGGAAAGCCAGCCCCAACTGGCGTCGCAGACGATTGTTGTCCTGACACGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_017032
- Insert Size:** 2019 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).
- 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

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]
Transcript Variant: This variant (5) has an alternate 5' coding exon, as compared to variant 1. The resulting isoform (5) has a shorter N-terminus, as compared to isoform 1.