

Product datasheet for **RN200499**

Pde4d (NM_001113328) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde4d (NM_001113328) 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: >RN200499 representing NM_001113328
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGCAGAGGGCAGCAGCGTGCCGGCCGGGCGGGCAGCGACGAGGGCAGCGACAGCTCTGGAGGGG
 CCGCGCTCAAAGCCCCAAGCATCTCTGGAGGCAGCAGCAGCACCACAGTACCCGCTCCGGCAGCCCCA
 GTTCCGCCTTTGCACCCCCATCACACCTGCCCCCGCCGCCACCCTCGCCCCAGCCCCAGCTGCAG
 CCACCACCACGCCCCCACTGCCACCACCCCGCCACCGCCGGAGCTACCCGTGGTTCGCTACGCTCAA
 GCGGGGTAGCCGCGTCCGGCACCGCGCTACTCGGACACGGAGCGCTACCTGTACTGCCGTGCCATGGA
 CCGCACCTCTACGCGGTGGAGACTGGTCACCGGCCAGGCCTGAAGAAATCTAGGATGTCCTGGCCCTCG
 TCTTTCCAGGGACTCAGACGTTTCGATGTGGACAATGGCAGTACGCGGGACGGAGTCCCTTGGATCCCA
 TGACCAGCCCAGGGTCTGGGCTAATCTCCAAGCAAATTTGTGCACAGTCAACGCCGGGAGTCTTCTCT
 GTATCGATCAGACAGCGATTATGACCTCTCTCAAAGTCTATGTCCAGGAACCTCTCGATTGCCAGTGAT
 ATACATGGAGATGACTTGATTGTGACTCCATTTGCTCAGGTCTTGCCAGCCTTCGAACTGTAAGAAACA
 ACTTTGCTGCATTAATAATTTGCAAGATCGCGCACCCAGCAAAAGATCACCCATGTGCAACCAACCATC
 CATCAACAAAGCCACCATCACAGAGGAGGCTACCAGAAACTGGCCAGCGAGACCCTGGAGGAGCTGGAC
 TGGTGTCTGGACCAGCTAGAGACCCTGCAGACCAGGCACTCCGTGAGTGAGATGGCTCCAACAAGTTCA
 AGAGGATGCTTAATCGGGAGCTCACCCACCTCTCTGAAATGAGTCGGTCTGGCAACCAGGTGTGGAGTA
 CATATCAAACACGTTCTTAGATAAGCAACATGAAGTAGAAATTCCTCTCCGACTCAGAAGAAAAAGAG
 AAGAAGAAAAGCCGATGTCACAGATCAGTGGGTCAAGAAGTTGATGCACAGCTCCAGCCTGACCAATT
 CCTGCATTCCAAGATTTGGGGTAAACAGAGCAGGAAGATGTCCTGGCCAAGGAATAGAAGAGTGAA
 CAAGTGGGGCCTCCACGTTTTCCGAATAGCGGAGCTGTCTGGCAACCGGCCTCTGACTGTTATCATGCAC
 ACCATTTTTAGGAACGAGATTTGTTAAAAACGTTTTAAAAATCCCAGTGGACACTTTGATTACGTATCTTA
 TGACTCTAGAAGACCATTACCATGCTGACGTGGCCTATCACAACAACATCCATGCTGCAGATGTCGTCCA
 GTCAACTCATGTGCTGCTCTACACCCGCTTTGGAGGCTGTTTTCACTGACTTGGAGATTCTCGCGGCC
 ATTTTTGCCAGTGCAATACATGATGTGGATCATCTGGTGTGTCAAATCAATTTCTGATCAATACAACT
 CGGAACCTGCCTTGATGTACAACGACTCCTCCGTCTTAGAGAATCATATTTGGCTGTGGCTTTAAGTT
 GCTCCAGGAAGAAAAGTGTGACATTTCCAGAATCTGACCAAAAAGCAAAGACAATCTTTAAGAAAATG
 GCCATTGACATTGACTAGCGACAGACATGTCAAAGCACATGAATCTGCTGGCTGATCTGAAAACAATGG
 TTGAAACGAAGAAGGTGACGAGCTCTGGCGTCTCCTCCTTGATAACTATTCTGACAGGATCCAGGTCTC
 CCAGAATATGGTGCAGTGTGCAGACCTGAGCAACCCACAAAGCCACTCCAGCTCTACCGCCAGTGGACG
 GACCGGATAATGGAGGAGTTCTTCCGTCAGGGGACCGGGAGCGTGAGCGTGGCATGGAGATAAGTCCCA
 TGTGTGACAAGCACAACGCTCTGTGAAAAATCACAGGTGGGCTTCATAGACTACATTGTTATCCACT
 CTGGGAGACATGGGCAGACCTCGTACATCCCGACGCCAGGACATTTGGACACTTTGGAGGACAATCGT
 GAGTGGTACCAGAGCACAAATCCCCAGAGCCCCCTCCCTGCACCTGATGACCAAGAGGACGGCCGTGAG
 GACAGACTGAAAAATCCAGTTCGAACTAACCTTAGAGGAAGTGGCGAGTCAGACACTGAAAAGGACAG
 TGAAGTCAAGTGGAGGAAGACACTAGCTGCAGTACTTAAGACTCTGTGCACCCAAGACTCAGAGTCC
 ACTGAAATTCCTTTCAGGAGCAGGTTGAAGAGGAGGCTGTAGCAGAAGAGGAAAAGCCAGCCCCAACTG
 GCGTCGACAGCATTGTTGCTGACACG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001113328
Insert Size: 2412 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:	<ol style="list-style-type: none">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:	<u>NM_001113328.1</u> , <u>NP_001106799.1</u>
RefSeq Size:	2470 bp
RefSeq ORF:	2412 bp
Locus ID:	24627
UniProt ID:	<u>P14270</u>
Cytogenetics:	2q14
Gene Summary:	may contain eight isoforms that display differential expression and activities; isorofms Pde4D6 and Pde4D7 exhibit high affinity for cyclic AMP and are inhibited by rolipram [RGD, Feb 2006] Transcript Variant: This variant (1) encodes the longest isoform (1).