

Product datasheet for **RN207991**

Pde4a (NM_013101) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde4a (NM_013101) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pde4a
Synonyms:	PHOSA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207991 representing NM_013101
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCTCCGGCCGCCCTCGGAAAGGAGCCTGTCTCTCTCTTCCGGGGCCCGGGAGGGCCAGG
 CCACCCTGAAGCCGCCCCCCAGCACCTGTGGCGCAGCCGAGGACCCCGATCCGCATCCAGCAACGCGG
 CTACCCGGACAGTGCCGAGCGCTCAGAGACAGAGCGCTCACCGCACCGGCCCATAGAGCGCGCCGACGCC
 GTGGACTGGCGACCGGCCAGGCCTGCGGACTACCCGCATGTCTGGCCCTCGTCTTCCACGGCACCG
 GTACCGGCGGAGGACAGTGGCGCTTGGAGGCAGAAAATGGGCCAACGCCATCCCCTGGCCGACGCC
 CCTGGACTCGCAGGCGAGCCGGGGCTTGTGCTGCATGCTGGGGCCACCACCAGCCAGCGCCGCGAGTCC
 TTCCTCTACCGCTCAGACAGCGACTATGACATGTACCGAAGGCTGTGTCCAGGAGCTCGTCTGTGCCA
 GCGAAGCGCACGCTGAGGACCTCATTGTGACACCATTTGCCAGGTGCTGGCCAGTCTCCGACGCTTCC
 AAGCAACTTCTACTCTTAACCAATGTGCCATCCCAGCAACAAGAGGTCTCCACTGGGTGGCCACCC
 TCTGTCTGCAAGGCCACACTGTCAGAGGAGACGTGCCAGCAGCTGGCCCGGGAGACCCCTGGAAGAGCTGG
 ATTGGTGCCTGGAGCAGCTGGAGACCATGCAGACCTACCGCTCTGTGACGAGATGGCCTCACACAAGTT
 CAAAAGGATGCTGAACCGTGAGCTCACACACCTGTCCGAAATGAGCAGGTGAGGAAACAGGTCTCAGAG
 TACATTTCCAACACATTCCTGGACAAGCAGAATGAAGTGGAGATCCCCTCACCCACACCTCGGCAGAGAG
 CTTTCCAGCAGCCCCGCCGTGAGTGTGCGACAGTCCCAGCCATGTCTCAGATCACAGGGCTGAAAAA
 GCTGGTACACACTGGAAGCTTGAACACCAACGTCCCACGGTTTGGAGTCAAGACAGATCAAGAGGACCTC
 TTAGCACAAAGAACTGGAGAATGAGCAATGGGGCTGAACATCTTTTGTGTGTCGGAAATCCACATCCC
 GCGGCTCACTCAGCTGTATCATGTATACGATATCCAGGAGCGGGACCTACTGAAGAAATCCACATCCC
 TGTGGACACCATGATGATGTACATGCTGACCCCTGGAGGACCACTACCATGCCGAGTGGCCTACCACAAC
 AGCCTGCACGCAGCGGATGTGCTGCAGTCCACACAGTGTGCTGGCCACGCCCGCACTGGACGCTGTGT
 TCACAGACCTGGAGATTCTGTGCCCTCTCGCTGCTGCCATCCACGATGTGGACCACCCTGGCGTCTC
 CAACCAGTTCTAATCAACACCAATTCCGAGCTGGCGTTGATGTACAACGATGAGTCTGTGCTTGAGAAC
 CACCACCTGGCTGTGGGATTCAAGCTGTGCAAGAAGAGAAGTGCACATCTTCCAGAACCTCAGCAAGC
 GCCAGCGCAGAGCCTGCGCAAGATGGTCATCGACATGGTGTGGCCACAGACATGTCCAAACACATGAC
 CCTCTGGCTGACCTGAAGACTATGGTGGAGACGAAGAAAGTACCAGCTCCGGAGTTCTTTGCTGGAC
 AACTACTCTGACCGTATCCAGGTCTCAGGAACATGGTGCATGTGCAGACCTCAGCAATCCCACCAAGC
 CCCTGGAGCTGTACCGACAGTGGACCGACCGCATCATGGCTGAGTTCTTCCAGCAGGGCGACCGAGAACG
 GGAGCGTGGAAATGGAGATCAGCCCCATGTGCGACAAGCACACAGCCTCTGTGGAGAGTCTCAGGTGGGC
 TTCATCGACTACATTGTTTCATCCATTGTGGGAGACATGGGCAGATCTCGTCCACCCGGATGCCAAAGACA
 TCCTGGACACGCTGGAAGACAACCGGGACTGGTACCACAGTGCCATTCCGAGAGTCTTCCCCACCCCT
 GGAAGAGGAGCCAGGGGGCTTGGCCATCCGTCCCTGCCTGACAAGTTCCAATTTGAGCTCACCTTGGAG
 GAAGAGGAGGAAGAGGATTCTTGGAGGTTCCAGGATTGCCTACCACTGAGGAAACCTTCTGGCTGCAG
 AGGATGCCAGAGCTCAAGCTGTGGACTGGTCAAAGGTCAAAGGCCCGAGCACTACAGTGGTGAAGTGGC
 AGAGCGCTTGAAGCAGGAGACCGCCTCAGCATATGGTGTCTCCTCAGGAGTCCATGGAGGCTGTAGGCTGT
 TCCTTCAGCCCTGGGACCCCTATTCTGCCTGACGTGAGGACCCTATCCTCCTCAGAGGAGGCCCGGGCC
 TCCTGGGCTCCCTCCACGGCGCAGAGGTGGAGGCCCAAGAGACCATCTGGCTGCCACGAGGGCTTGT
 TTCTGCCTGCTCTGGACCTCAGGAGACAATTCTGCCATCATCTGCTCCAGGCAGGTGGGGTCAAGC
 GGAGACCCTGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013101
Insert Size: 2535 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:	NM_013101.3 , NP_037233.3
RefSeq Size:	2914 bp
RefSeq ORF:	2535 bp
Locus ID:	25638
UniProt ID:	P54748
Cytogenetics:	8q13
Gene Summary:	human homolog catalyzes the hydrolysis of cAMP; activity is inhibited by rolipram [RGD, Feb 2006]