

Product datasheet for **RR200214**

Pde11a (NM_080893) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde11a (NM_080893) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pde11a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

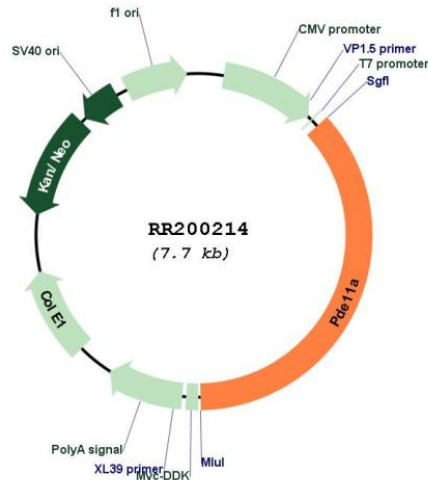
>RR200214 representing NM_080893
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCCTCCCGCCTGGACTTCGGGGAGGTGAAAACCTTCCTGGATAGGCACCCAGAATTGTTTGAAG
 ATTAAGTGGATGCGAAAAGGAAAGCAGGAGCTGGTGGACAAGTGGCTACAAAGGCACAGTTCGGGACAGGG
 GGCTTCAGACCTGAGGCCTGCCCTGGCTGGCGCTAGCAGCTTGGCTCAGAGCAGTGCCAGAGGCAGCACT
 GGCATAGGTGGTGGTGGTGGACCCAGGGTTCTGCCAACAGTCATCCCGCGTCCGGTGGTGGGAAAGTG
 CCGGGGTTCTCTGAGTCCAGTTGGGCCAGTGGCAGCCGGGGCGATGGCAACCTTCAGAGGAGAGCTTC
 GCAGAAAGAGCTGAGAAAGAGCTTTGCCCGCTCCAAAGCCATCCATGTGAACAGGACCTACGACGAACAG
 GTGACCTCCCGGGCCAGGAGCCCTGAGCAGTGTCCGGAGGCGAGCCCTGCTCAGAAAGGCCAGCTCTC
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 TACGGCCATCGACTACAAATGCCACCTCAAAAAGCATAATGAGCGACAGTTTTCTGGAAGTGGTCAAG
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 ACGCTGACCGCTGCTCTCTTCTTAGTGAAGGGGCAGCTGCTGGTAAGAAGACTTTGGTCTCCAAGTT
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 CCCTGGGGCAAAGGTATCATTGGCTATGTCCGGGAACACGGAGAAACAGTCAACATTCGCCATGCCTACC
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 TATCCGGAACAGTGACGGTGAGATTATCCGGTGTGGCCAGGCGATAAATAAGGTTCTGAGGGTGTCTCA
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 TGCCATGCTAACTACTGCTGGTTTTCAAGAGATTCTGACCGAGGTGAAATTTTAGCGGTGATTGTGGGA
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 CCCAGCTCTATGGGACCTCAGCGACCTTAGAGCATCACCCTTTAACCACGCCGTGATGATCCTTCAGAG
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 TCGATACTAGCCACTGACCTCACGCTGACTTCGAGAGAAGAAGTGAAGTTCTTCGAGCTTGTGAGTAAAG
 GAGCCTATGATTGGAGCATCACAAGTACCAGCGATGTTTTGATCAATGTTAATGACAGCTTGTGACCT
 TGGAGCCGTGACCAAACCGTGGGAGATCTCCAGACAGGTGGTGAACCTGTACCAGCGAGTTCTTCGAA
 CAAGGAGATCGGGAGAGGTGCGAACTCAAGCTCACCCCTCTGCTATTTTGGACCGAACCAGGAAAGATG
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 CAATGCAAACTGAAGCCGATGCTGGACTCAGTGGCCGCAACCGCAGGAAGTGGGAAGAGTTGCACCAA
 AAAAGACTACAGGTCTGCTGCCTCCCCAGTCCCTTCCAGTCCCAGCCAGCGGTGGCCGGAGAGGACA
 GACTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:



ACCN: NM_080893

ORF Size: 2805 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_080893.1](#), [NP_543169.1](#)

RefSeq Size: 4170 bp

RefSeq ORF: 2808 bp

Locus ID: 140928

UniProt ID: [Q8VID6](#)

Cytogenetics: 3q23-q24

MW: 104.6 kDa

Gene Summary: hydrolyzes cyclic nucleotides cAMP and cGMP, downregulating their activity [RGD, Feb 2006]