

## Product datasheet for **RN200665**

### **Pde9a (NM\_138543) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pde9a (NM_138543) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pde9a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN200665 representing NM\_138543  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGCGCGCTCCTCAAGCTACCGGCCAAGGCCATCTACCTGGACATCGATGGACGCATCCAGAAGG  
 TGGTTTTAGCAAGTATTGTAACCTCAGTGACATCATGGACCTGTTCTGTATCGCCACCGCCTGCCACG  
 GAATACCACCATCTCCCTCTGACCACAGACGACGCCATGGTCTCCATCGATCCCACCATGCCTGCGAAT  
 TCAGAGCGAACTCCCTACAAGGTGAGACCTGTGGCTGTCAAGCAAGTGTCTGAAAGAGAAGAACTCGTCC  
 AGGGTGTGCTGGCCCAAGTGGCGGAACAATTCTCCAGAGCGTTTAAAGTCAACGAGCTGAAAGCTGAAGT  
 TGCGAATCACCTGGCCATGCTGGAGAAACGGGTGGAATTGGAAGGACTCAAAGTGGTGGAGATCGAAAA  
 TGCAAGAGTGATATTAAGAGATGCGGGAGGAGCTGGCAGCTAGAAACAACAGGACCAACTGTCCCTGTA  
 AATACAGTTTTTTGGATAACAAGAAGTTGACACCTCGACGTGATGTCCCACTTACCCCAAGTACCTGCT  
 CTCCCCAGAAACCATTGAAGCCCTACGGAAGCCACCTTTGATGTCTGGCTTTGGGAACCCAATGAGATG  
 CTGAGCTGTTTAGAGCATATGTACCATGACCTTGGTCTGGTCAAGGACTTCAGCATCAACCCAATCACAC  
 TCCGCAGGTGGCTGCTCTGTGTGCATGACAACACAGGAGCAACCCCTTCCACAACCTCCGGCAGTCTT  
 CTGTGTGACACAGATGATGTACAGCATGGTCTGGCTCTGTGGCCTCCAGGAGAAGTTTTCCAGATGGAC  
 ATCTTGGTCTGATGACCGCAGCCATCTGCCATGACCTGGACCACCCAGGGTACAACAACACATACCAGA  
 TCAACGCCCGCACGGAAGTACGGGTGCGCTACAACGACATCTCGCCGCTGGAGAACCACCAATGCGCCAT  
 CGCCTTCCAGATCCTGGCGAGACCCGAGTGCAACATCTTCGCCAGCGTCCGCTGAGGGCTTACGGCAG  
 ATCAGGCAGGGGATGATCACGTTGATCTTGGCCACCGACATGGCAAGGCACGCTGAAATTATGGATTCTT  
 TCAAAGAAAAATGGAGAAATTTGACTACAGCAATGAGGAGCATCTGACCCTGCTGAAGATGATCCTCAT  
 AAAATGCTGTGACATCTCCAATGAGGTCCGTCATGGAGGTGGCAGAACCCTGGGTGGACTGTTTACTG  
 GAAGAATATTTTATGCAGAGTGACCGCGAGAAGTCCGAAGGCCTTCTGTGGCCCAATTCATGGACCGAG  
 ACAAAAGTACCAAAGCGACAGCCAAATTTGGTTTCATCAAGTTTGTCTGATCCCAATGTTTGAACAGT  
 GACCAAGCTTCCCAATGTGCGAGGAGACCATGCTGCGGCTCTCTGGGAGTCCCGAGAACACTACGAG  
 GAACTGAAGCAGCTGGACGACGCCATGAAGGAGCTGCAGAAGAAGACGGAGAACTTAACATCTGGGGCCA  
 CGGAAAACGCCCCAGAGAAGACCAGAGATGCGAAAACAATGAAGACCGTTCCGCTCCAAACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_138543

**Insert Size:** 1605 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\\_138543.1](#), [NP\\_612552.1](#)

**RefSeq Size:** 2079 bp

**RefSeq ORF:** 1605 bp

**Locus ID:** 191569

**UniProt ID:** [Q8QZV1](#)

**Cytogenetics:** 20p12

**Gene Summary:** mediates maintenance of low cGMP levels in cells; may play a role in cGMP-mediated signal transduction [RGD, Feb 2006]