

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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200665 representing NM_138543
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCGCGCTCCTCAAGCTACCGGCCAAGGCCATCTACCTGGACATCGATGGACGCATCCAGAAGG
 TGGTTTTAGCAAGTATTGTAACCTCAGTGACATCATGGACCTGTTCTGTATCGCCACCGCCTGCCACG
 GAATACCACCATCTCCCTCTGACCACAGACGACGCCATGGTCTCCATCGATCCCACCATGCCTGCGAAT
 TCAGAGCGAACTCCCTACAAGGTGAGACCTGTGGCTGTCAAGCAAGTGTCTGAAAGAGAAGAACTCGTCC
 AGGGTGTGCTGGCCCAAGTGGCGGAACAATTCTCCAGAGCGTTTAAAGTCAACGAGCTGAAAGCTGAAGT
 TGCGAATCACCTGGCCATGCTGGAGAAACGGGTGGAATTGGAAGGACTCAAAGTGGTGGAGATCGAAAA
 TGCAAGAGTGATATTAAGAGATGCGGGAGGAGCTGGCAGCTAGAAACAACAGGACCAACTGTCCCTGTA
 AATACAGTTTTTTGGATAACAAGAAGTTGACACCTCGACGTGATGTCCCACTTACCCCAAGTACCTGCT
 CTCCCCAGAAACCATTGAAGCCCTACGGAAGCCACCTTTGATGTCTGGCTTTGGGAACCCAATGAGATG
 CTGAGCTGTTTAGAGCATATGTACCATGACCTTGGTCTGGTCAAGGACTTCAGCATCAACCCAATCACAC
 TCCGCAGGTGGCTGCTCTGTGTGCATGACAACACAGGAGCAACCCCTTCCACAACCTCCGGCAGTCTT
 CTGTGTGACACAGATGATGTACAGCATGGTCTGGCTCTGTGGCCTCCAGGAGAAGTTTTCCAGATGGAC
 ATCTTGGTCTGATGACCGCAGCCATCTGCCATGACCTGGACCACCCAGGGTACAACAACACATACCAGA
 TCAACGCCCGCACGGAAGTACGGGTGCGCTACAACGACATCTCGCCGCTGGAGAACCACCAATGCGCCAT
 CGCCTTCCAGATCCTGGCGAGACCCGAGTGCAACATCTTCGCCAGCGTCCCGCTGAGGGCTTCAAGCAG
 ATCAGGCAGGGGATGATCACGTTGATCTTGGCCACCGACATGGCAAGGCACGCTGAAATTTGGATTCTT
 TCAAGAAAAAATGGAGAATTTGACTACAGCAATGAGGAGCATCTGACCCTGCTGAAGATGATCCTCAT
 AAAATGCTGTGACATCTCCAATGAGGTCCGTCCCATGGAGGTGGCAGAACCCTGGGTGGACTGTTTACTG
 GAAGAATATTTTATGCAGAGTGACCGCGAGAAGTCCGAAGGCCTTCTGTGGCCCAATTCATGGACCGAG
 ACAAAAGTACCAAAGCGACAGCCCAAATTTGGTTTCATCAAGTTTGTCTGATCCCAATGTTTGAACAGT
 GACCAAGCTCTTCCCATTTGTCGAGGAGACCATGCTGCGGCTCTCTGGGAGTCCCGAGAACACTACGAG
 GAACTGAAGCAGCTGGACGACGCCATGAAGGAGCTGCAGAAGAAGACGGAGAACTTAACATCTGGGGCCA
 CGGAAAACGCCCCAGAGAAGACCAGAGATGCGAAAAGACAATGAAGACCGTTCGCCTCCAAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 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]