

## Product datasheet for RN212921

### Pde3a (NM\_017337) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pde3a (NM\_017337) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pde3a  
**Synonyms:** RNPDE3A  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN212921 representing NM\_017337  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGTGGGGGCGAGGCCGCCAAGACTGGGCCAAGCCGGTCTCCGAGGGCCGAGTCTGCCCCGG  
 TGGCCAGAGGGGACCACCGCTGTCGTGGCGGGTCCCTTCATCCCCTCGGGGCTCGGGCTGTTGTTGGCG  
 AGCCCTGGCGTTGCAGCCTCTCCGGCGCTCGCCGCAACTCTCCTCCGCGTTGTGCGCGGGCTCCCTGTCC  
 GTGCTGCTGGCGCTGCTGGTGAGGCTGGTCCGGCGGGGAGGTCCGAGGCGAGCTGGAGTCCAGTCCAGGAGG  
 CGGCGGCCGAGGAGGAGGAGGAGGAAGGAGCCGAGGGGGCGTCTTCCCGGGCCCTCGGGGAGGTGCTCC  
 CGGGGGCGGGCGCGCAGCTCAGCCCTTGGCTGCAGCCGGCCGCGCTGCTCTCAGTCTCCTGTGCGCCTTC  
 TTCTGGATGGGCTTGTGCCTGCTGCGCGCCGGGTGCGCCTGCCTCTGGCCGTCGCGCTGTTGGCCGCT  
 GCTGCGCCGGGAAGCGCTGGTGCAGCTCTCCTTGGCGTGGGGACGGTCGCTGCTGTCGCTACCCGC  
 CGCGGGGTCTGCTCAGCTGCCTAGGTGGCGCGACATGGCTGGTGTGAGGCTGAGGCTGGGCGTCCCTC  
 ATGGTCGCTTTGACTAGCGCCCTCAGGACGGTGGCCCTGGTTTCTCTGGAGAGGTTCAAGGTCGCCTGGA  
 GACCTTACCTGGCATACTTGGCGCCGTGCTTGGGCTGCTGCTGGCCAGGTACCGCAGCAGCTCCTGCC  
 GCAGTGTCCGGGCCGGCTCCGCCAGGGAGCGGTTTGGGTCCAGTCCGAGCGCAGGACCAAGGAAGAG  
 ATTCGGGGTGGAAAGAGGAGGAGCGGTCAGCTCGGTGGTGGCCGCGAGATGTCCGGTGCAGGTGGCA  
 AGTCTCACCGGAGGACCTCCCTGCCCTGCATACCCAGGGAGCAGCTCATGGGCCATTGAGAAATGGGACCA  
 CAAGAGAGGGTACGAGGATCCAGTCCAGGAACCAGCGTACCCTGGATATTGCCGTGATGGGCGAGGCG  
 CATGGCCTCATTACCGACCTCCTGGCCGACCCTTCTTTGCCTCCGAATGTGTGCACGTCTTTGAGGGCCG  
 TGAGCAACCTGCTCAGTACCCAGCTCACCTTCCAGGCAATCCACAAGCCAGAGTGAACCCACTGTGAC  
 CTTCAGTGAGAACTATACCTGCTCCGACTCTGAGGAAGGCTTGGAGAAAGACAAGCTGGCCATTCCCAAG  
 CGCCTGAGAAGAAGTTTGCCTCCAGGCTTGTGAGGAGAGTTTCACTCAACTTGGACAACCTACCACCTCTG  
 CCACAGGACTGCCTACCTTGGAGCCTGCGCCAGTCCGGAGGGACCGCAGCGCCAGCATAAAGCCACATGA  
 AGCCCTTACCCAGTGTGTCAACCCTGACTCTTGAATGCCCCAGTGTGATGACTCTAACCAAAAGC  
 AGGTCTTCACTTCGTCATGCTGCTCTGCAGTAACCACGTCAAAGCTAAAAAGCAAAACAGGCCAG



GTGGCCTTGATAAGATTCGCCCGTTCCCTCGCCCTCCTCCTCACCTCCTCAAGGATCACCCACCAGCAG  
 TCCTGTCAGTGGCATTGCTTCCGTACAGTTCGCCGAATCCCCTGAAGTACCACCAAACGAGGCCCTGGA  
 TCTCACAGGGCCTTAACCTACACCCAGAGTGCCCTGACCTGTCCCCCAGATCCCGCCCTCACCTGTCA  
 TATGTAGCAGCTGTGGCAGACCTTACTCACAAGGGAATCCTGTGATGGACCTTCAGAGAGAAGTGGCCC  
 AGCCATGCAGAAACCAACAGAACAGATGATACTTCTCAAGTTACCTCTGATTATGAGACCAACAACAAC  
 AGTGACAGCAGCGACATCCTGCAGAATGATGAGGAAGCCGAGTGCCAGAGAGACCCTAGGAAAGCAT  
 CGGCTTGTGGCACCTATACTCCCCAGACCATGATCTTCTTGACAAACCAATTCTGCTCCAGAACCCT  
 GGTCATGGATAACCTGGATTCAATTATGGATCAGTTGAACACCTGGAATTTTCCAATTTTTGATTTAGTG  
 GAAAACATAGGAAGAAAATGTGGCCGATTCTGAGCCAGGTGTCATACAGACTCTTTGAAGACATGGGGC  
 TCTTTGAAGCCTTTAAAAATCCCGTTAGGGAGTTTATGAATTACTTTTCATGCTTTGGAGATCGGCTACAG  
 GGACATTCCTTATCATAACAGAATCCACGCCACTGATGTTTTGCACGCCGTGGTATCTCACAACACAG  
 CCGATTCTGGCCTCCCGAGTGTGATTGGTGATCACGGCTCGGCAAGTACTCTGATTCTGACAGTGGGT  
 TTACACACGGACACATGGGATATGTGTTTTCAAAGCGTATCATGTGCCAGATGACAAATATGGATGCC  
 GTCTGGAATATCCAGCCCTGGAGTTGATGGCCCTGTATGTTGTGCAGCCATGCATGACTACGATCAC  
 CCAGGAAGGACAAATGCTTTCCTGGTTGCCACTAGCGCCCTCAGGCCGTGTACAATGACCGTTCCG  
 TTCTGGAGAACCATCACGCAGCTGCAGCCTGGAATCTCTTCATGTCCCGCCGGAGTATAACTTCTTAGT  
 TAACCTGGACCATGTGGAATTAAGCACTTCCGATTCTAGTCATTGAAGCAATCTGGCTACTGACCTG  
 AAGAAACACTTTGACTTTGTAGCCAAGTTAATGCCAAGGTGAATGATGATGTTGGGATAGATTGGACCA  
 ATGAAAACGACCGTCTCCTGGTGTGCAGATGTGTATAAAGTTGGCTGACATCAACGGCCCTGCTAAATG  
 TAAGGACCTCCACCTGCGGTGGACGGAGGGCATCGCCAGCGAGTTTTATGAGCAGGGCGATGAAGAAGCC  
 AGCCTTGGTTTGGCCATAAGCCATTTATGGACCGCTCTGCCCGCAGCTGGCCAATCTTCAGGAGTCT  
 TTATCTCACACATCGTGGTCTCTTTGCCACTCTACGACTCTCGGGTCTCATGCCGGAAAAATGGGT  
 AGATGACAGTGTGATTACAGGACACTGATGACCCGGAAGAAGAGGAGGAAGAGGCTGAAACACCACAC  
 GAGGAAGAAACCTGTGAAAACAGTGAAGCTCCCGAAAGAAAAGTTTTCAAAGAAGGAGAATCTACTGTC  
 AAATAACTCAGCACCTTCTGCAGAACCACATGATGTGGAAGAAAGTGATTGAAGAGGAGCAGTGTATC  
 AGGCACAGAGAACCAGGCCCCAGACCAGGCACCCTGCAGCATTCTCAGAACAAATCCAGGCTATCAAG  
 GAGGAGGAGGAAGAGAAGGGGAAGCCAAGAGCAGAGGAAACCCTCGCTCCACAACCAGACCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_017337

**Insert Size:**

3426 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\\_017337.1](#), [NP\\_059033.1](#)  
RefSeq Size: 3426 bp  
RefSeq ORF: 3426 bp  
Locus ID: 50678  
UniProt ID: [Q62865](#)  
Cytogenetics: 4q44  
Gene Summary: plays a role in cyclic nucleotide degradation; may be involved in oocyte maturation [RGD, Feb 2006]