

Product datasheet for **RN209589**

Pde1a (NM_030871) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde1a (NM_030871) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pde1a
Synonyms:	3'-RACEclone8phosphodiesterase1A; 3-RACEclone8phosphodiesterase1A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209589 representing NM_030871
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTCTACAGATACAGACATCGAAGAAGTGGAAAACGCCACTTACAAGTATCTCATTGGAGAACAGA
 CCGAGAAGATGTGGCAACGCCTGAAAGGAATACTAAGATGCTTAGTGAAGCAGCTGGAGAAAAGGTGATGT
 CAACGTTGTGACCTAAAGAAGAATATCGAATATGCGGCATCTGTAAGCTGTTTACATCGACGAG
 ACGAGGAGGCTTCTGGATACTGAGGATGAGCTCAGCGACATTCAGACCGACTCGGTTCTTCGGAAGTCC
 GGGACTGGTTGGCTTCAACCTTTACACGAAAAATGGGGATGACGAAAAAGAAACCCGAGGAAAAACCGAA
 GTTTCGCAGCATTGTCCACGCTGTCCAGGCTGGGATTTTGTGAAAGGATGTACAGGAAGAAGTATCAC
 ATGTTGGTTTGACATATCCTGCAGCTGTCATAGTGACACTCAAGGAAGTTGATAAATGGTCTTTTGATG
 TATTTGCCTTAAATGAAGCAAGCGGGGAGCATAGTCTGAAGTTTATGATTTATGAACTATTTACCAGTAA
 TGATCTTATCAACCGCTCAAGATTCCTGTTTCTTGCCTAATTGCCTTTGCAGAAGCTTTAGAAGTTGGT
 TACAGCAAGCACAAAAATCCGTATCATAATTTGGTCCATGCAGCTGATGTCACTCAAAGTGCATTACA
 TAATGCTTCATACAGGTATCATGCACTGGCTCACTGAACTGGAATCTTAGCCATGGTCTTTGCAGCCGC
 CGTTTCATGACTATGAACACACAGGAACTACAAACAACCTCCATATTCAGACGAGGTGAGCGTCCGATT
 CTGTATAACGACCGCTCAGTTCTTGAGAATCACCATGTCAGCGCAGCCTACAGACTTATGCAAGAGGAGG
 AAATGAATATTTGGTAAATTTATCTAAAGATGACTGGAGGGATCTTCGGAACCTAGTGATTGAAACGGT
 CTTAGCAACAGACATGTCAGGCCATTTCCAGCAAATTAAGAAAGCAGCTTGCAGCAGCCTGAA
 GGGATTGACAGAGCCAAAACGATGTCCCTGATACTCCACGACCGGACATCAGCCACCCAGCCAAAACGT
 GGAAGTGCACACTACAGGTGGACTATGGCCTTAATGGAGGAATTTTCTGCAGGGAGACAAAGAAGCTGA
 ATTAGGGCTTCCGTTTTCTCCACTTTGTGATCGGAAGTCAACGATGGTTGCCAGTCTCAAATAGGTTTC
 ATTGATTTCATAGTGGAGCCAACGTTTTCTCTCCTGACAGACTCGACAGAAAAATTGTTATTCCTCTTA
 TAGAGGAAGCTTCAAACCCAGAGTCTTCTAACTATGGGGCAAGCAGCTCGTCCACCATGATTGGGTTCCA
 TGTTGCTGACGCTCTGAGGCGGTCAAACACAAAAGGCTGCATGAGTGATGGGACCTATGCCCCAGACTAC
 TCTCTGCAGCTGTGGACCTGAAGAGCTTCAAAAAACAACCTGGTGGACATCATTGACGAGAAACAAGGAGA
 GGTGAAAAGAGTTGGCTGCCAAGGCGAACTTGATCTTCATAAGAAGTCAAGAAGACTAGAAGAAAAGCA
 TGCTGACACACATCCATAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_030871

Insert Size: 1629 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_030871.1](#), [NP_110498.1](#)

RefSeq Size: 2081 bp

RefSeq ORF: 1629 bp

Locus ID: 81529

Cytogenetics: 3q24

Gene Summary: expression in the hippocampus increases in response to electroconvulsive shock [RGD, Feb 2006]