

Product datasheet for **RN200212**

Pde11a (NM_001127480) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde11a (NM_001127480) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pde11a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200212 representing NM_001127480
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGAAGCAGGCAAGAAGATTTTCATTCAGAAATGTGCGCAGTGCCACACAGTGGAGAAAGTGGGAA
 GCACAAGACAGGGCCAAATCTCTGGGGCCTTTTGGCCGAAAGACTGGACAAGCACCAGGATTTTCTTAC
 ACGGATGCAAACAAGAACAAGGACCGAAGATTCAATGATGAAATTGACAAGCTGACTGGATACAAGACA
 AAATCACTATTGTGCATGCCTATCCGGAACAGTGACGGTGAGATTATCGGTGTGGCCAGGCGATAAATA
 AGGTTCTGAGGGTGCTCATTACAGAAGACGACGAAAAAGTTATGCAGATGTATCTTCCATTCTGTGG
 CATCGCCATATCTAATGCTCAGCTCTTCGCGCCCTCGAGGAAAGAATATGAAAGAAGTAGGGCCTTGCTG
 GAGGTGGTCAATGACCTTTGAAGAACAGACTGACCTGGAAAAGATTGTCAAGAAAATAATGCATCGGG
 CCCAAACTCTGTTGAAATGTGAACGCTGTTCCGTTTTACTTCTAGAAGACATTGAATCACCAGTGGTGAA
 GTTTACCAAATCCTTTGAACTGATGTCCCAAAGTGCAGTGCGGACGCGGAGAACAGTTTCAAAGAAAGT
 GTGGAGAAGTCATCTTACTCCGACTGGCTGATAAATAACAGTATCGCTGAGCTGGTTGCTTCGACAGGCC
 TTCTGTGAATGTCAGCGATGCCTACCAGGACCCACGCTTTGACGCTGAGGCTGACCAGATATCTGGCTT
 TCATATAAGATCTGTTCTCTGTGTCCCTATTTGGAACAGCAACCACAAATAATAGGGGTCGCTCAAGTG
 CTGAACAGACTCGATGGGAAACCTTTTGTATGATGCTGACCAAAGGCTTTTGGAGGCTTTGTATCTTTT
 GTGGCCTTGGTATTAACAACACGATTATGTATGACCAAGTGAAGAAGTCTGGGCAAGCAGTCCGTGGC
 TCTTGTGTGCTGCTACCACGCCACGTGTTCCAAGGCTGAAGTTGACAAGTTTAAAGCAGCCAACATC
 CCCCTGGTGTGCGAACTGGCCATCGATGACATCCATTTTGTATGACTTTTCCCTTGATGTTGATGCCATGA
 TCACAGCCGCTCTACGGATGTTTCATGGAGCTGGGATGGTACAGAAATTTAAAATCGACTATGAGACCT
 GTGCAGGTGGCTTCTGACAGTAAGGAAAAACTATCGGATGGTTCTTACCACAACCTGGAGACATGCCTTC
 AACGTGTGCCAGCTGATGTTGCCATGCTAACTACTGCTGGGTTTCAAGAGATTCTGACCAGGTGGAAA
 TTTTAGCGGTGATTGTGGGATGCCTGTGTGATGACCTCGACCACAGGGGAACCAACAATGCCTTCCAAGC
 TAAGAGTGACTCTGCACTGGCCAGCTCTATGGGACCTCAGCGACCTTAGAGCATCACCCTTTAACAC
 GCCGTGATGATCCTTCAAGTGAAGGTCACAACATCTTTGCTAATTTGCTCCTCAAGGAATACAGCGACC
 TCATGCAGCTCCTGAAGCAGTCGATACTAGCCACTGACCTCACGCTGACTTTCGAGAGAAGAACTGAGTT
 CTTGAGCTTGTGAGTAAAGGAGCCTATGATTGGAGCATACAAGTCAAGTCAAGCTCAGGAGGAGGATG
 TTAATGACAGCTTGTGACCTTGGAGCCGTGACCAAACCTGGGAGATCTCCAGACAGGTGGCTGAACCTG
 TACCAGCGAGTTCTTGAACAAGGAGATCGGGAGAGGTGCGAACTCAAGCTCACCCCTCTGCTATTTT
 TGACCGGAACCGGAAAGATGAGCTGCCTCGGCTGCAACTGGAGTGGATTGACAGCATCTGCATGCCTTTG
 TATCAGGCCTTGGTAAAAGTCAATGCAAAACTGAAGCCGATGCTGGACTCAGTGGCCGCCAACCGCAGGA
 AGTGGGAAGAGTTGCACCAAAAAAGACTACAGGTCTCTGCTGCCTCCCAAGTCCCTTCCAGTCCCAGCCC
 AGCGGTGGCCGGAGAGGACAGACTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001127480
- Insert Size:** 2058 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_001127480.1](#), [NP_001120952.1](#)

RefSeq Size: 3492 bp

RefSeq ORF: 2058 bp

Locus ID: 140928

UniProt ID: [Q8VID6](#)

Cytogenetics: 3q23-q24

Gene Summary: hydrolyzes cyclic nucleotides cAMP and cGMP, downregulating their activity [RGD, Feb 2006]
Transcript Variant: This variant (3), also known as PDE11A3, contains a distinct 5' UTR and 5' coding region, compared to variant 4. The resulting isoform (3) contains a shorter and distinct N-terminus, compared to isoform 4.