

Product datasheet for **RN200213**

Pde11a (NM_001127481) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde11a (NM_001127481) 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: >RN200213 representing NM_001127481
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTGGGTTATGCAGATGTATCTTCCATTCTGTGGCATCGCCATATCTAATGCTCAGCTCTTCGCCG
 CCTCGAGGAAAGAATATGAAAGAAGTAGGGCCTTGCTGGAGGTGGTCAATGACCTTTTGAAGAACAGAC
 TGACCTGGAAAAGATTGTCAAGAAAATAATGCATCGGGCCAAACTCTGTTGAAATGTGAACGCTGTTCC
 GTTTTACTTCTAGAAGACATTGAATCACCAGTGGTGAAGTTTACCAAATCCTTTGAACTGATGTCCCAA
 AGTGCAGTGGGACGCGGAGAACAGTTTCAAAGAAAGTGTGGAGAAGTCATCTTACTCCGACTGGCTGAT
 AAATAACAGTATCGTGTAGCTGGTTGCTTCGACAGGCCTCTCTGTGAATGTCAGCGATGCCTACCAGGAC
 CCACGCTTTGACGCTGAGGCTGACCAGATATCTGGCTTTCATATAAGATCTGTTCTCTGTGTCCCTATTT
 GGAACAGCAACCACAAAATAATAGGGTTCGCTCAAGTGTGAACAGACTCGATGGGAAACCTTTTGTATG
 TGCTGACCAAAGGCTTTTGTAGGCCTTTGTATCTTTTGTGGCCTTGGTATTAACAACACGATTATGTAT
 GACCAAGTGAAGAAGTCCTGGGCCAAGCAGTCCGTGGCTCTTGATGTGCTGTCTACCACGCCACGTGTT
 CCAAGGCTGAAGTTGACAAGTTTAAAGGCAGCCAACATCCCCTGGTGTGGAACTGGCCATCGATGACAT
 CCATTTTGTGACTTTTCCCTTGATGTTGATGCCATGATCACAGCCGCTCTACGGATGTTTATGGAGCTG
 GGGATGGTACAGAAATTTAAATCGACTATGAGACCCTGTGCAGGTGGCTTCTGACAGTAAGGAAAAACT
 ATCGGATGGTTCTTACCACAACCTGGAGACATGCCTTCAACGTGTGCCAGCTGATGTTTGGCATGCTAAC
 TACTGTGGGTTTCAAGAGATTCTGACCGAGGTGGAAATTTAGCGGTGATTGTGGGATGCCTGTGTCAT
 GACCTCGACCACAGGGGAACCAACAATGCCTTCCAAGCTAAGAGTGACTCTGACTGGCCAGCTCTATG
 GGACCTCAGCGACCTTAGAGCATCACCACTTTAACACGCGGTGATGATCCTTCAGAGTGGGGTACAA
 CATCTTTGCTAATTTGTCTCCAAGGAATACAGCGACCTCATGCAGCTCCTGAAGCAGTCGATACTAGCC
 ACTGACCTCACGCTGACTTCGAGAGAAGAACTGAGTTCTTCGAGCTTGTGAGTAAAGGAGCCTATGATT
 GGAGCATCACAAGTCACCGCATGTGTTTCGATCAATGTTAATGACAGCTTGTGACCTTGGAGCCGTGAC
 CAAACCGTGGGAGATCTCCAGACAGGTGGCTGAACTTGTACCAGCGAGTTCTTCGAACAAGGAGATCGG
 GAGAGGTGGAACTCAAGCTCACCCCTCTGCTATTTTGTACCGGAAACCGGAAAGATGAGCTGCCTCGGC
 TGCAACTGGAGTGGATTGACAGCATCTGCATGCCTTTGTATCAGGCCTTGGTGAAGTCAATGCAAACT
 GAAGCCGATGCTGGACTCAGTGGCCGCCAACCGCAGGAAGTGGGAAGAGTTGCACCAAAAAGACTACAG
 GTCTCTGTGCCTCCCCAGTCCCTCCAGTCCCAGCCCAGCGGTGGCCGGAGAGGACAGACT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001127481

Insert Size: 1746 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_001127481.2](#), [NP_001120953.1](#)

RefSeq Size: 3096 bp

RefSeq ORF: 1746 bp

Locus ID: 140928

UniProt ID: [Q8VID6](#)

Cytogenetics: 3q23-q24

Gene Summary: hydrolyzes cyclic nucleotides cAMP and cGMP, downregulating their activity [RGD, Feb 2006]