

Product datasheet for **RN200214**

Pde11a (NM_080893) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde11a (NM_080893) 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:

>RN200214 representing NM_080893
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGCCTCCGCCTGGACTTCGGGGAGGTGAAAACCTTCCTGGATAGGCACCCAGAATTGTTTGAAG
 ATTACTTGATGCGAAAAGGAAAGCAGGAGCTGGTGGACAAGTGGCTACAAAGGCACAGTTCGGGACAGGG
 GGCTTCAGACCTGAGGCCTGCCCTGGCTGGCGCTAGCAGCTTGGCTCAGAGCAGTGCCAGAGGCAGCACT
 GGCATAGGTGGTGGTGTGGACCCAGGGTTCTGCCAACAGTCATCCCGCGTCCGGTGGTGGGAAAGTG
 CCGGGGTTCTCTGAGTCCAGTTGGGCCAGTGGCAGCCGGGGCGATGGCAACCTTCAGAGGAGAGCTTC
 GCAGAAAGAGCTGAGAAAGAGCTTTGCCCGCTCCAAAGCCATCCATGTGAACAGGACCTACGACGAACAG
 GTGACCTCCCGGGCCAGGAGCCCTGAGCAGTGTCCGGAGGCGAGCCCTGCTCAGAAAGGCCAGCTCTC
 TGCCCCCACCACAGCCACATTCTCAGTGCCCTGCTGGAATCGAGGGTGAATCTTCTCAGTATCCCC
 TACGGCCATCGACTACAAATGCCACCTCAAAAAGCATAATGAGCGACAGTTTTTCTGGAAGTGGTCAAG
 GACATCTCCAATGACCTTGACCTCACCAGCCTAAGCTACAAGATCCTCATCTTTGTCTGTCTCATGGTGG
 ACGCTGACCGCTGCTCTCTTCTTAGTGAAGGGGCAGCTGCTGGTAAGAAGACTTTGGTCTCCAAGTT
 TTTTGACGTGCATGCAGGAACCCCACTGCTGCCCTGCAGCACCACAGAGAACTCAATGAGGTGCAGGTC
 CCCTGGGGCAAAGGTATCATTGGCTATGTCGGGGAACACGGAGAAACAGTCAACATTCGGATGCCTACC
 AGGACCGAAGATTCAATGATGAAATTGACAAGCTGACTGGATAACAAGACAAAATCACTATTGTGCATGCC
 TATCCGGAACAGTGACGGTGAGATTATCGGTGTGGCCAGGCGATAAATAAGGTTCTGAGGGTGTCTCA
 TTTACAGAAGACGACGAAAAAGTTATGCAGATGTATCTCCATTCTGTGGCATCGCCATATCTAATGCTC
 AGCTCTTCGCGCCTCGAGGAAAGAATATGAAAGAAGTAGGGCTTGTGGAGGTGGTCAATGACCTCTT
 TGAAGAACAGACTGACCTGGAAAAGATTGTCAAGAAAATATGCATCGGGCCCAAACCTCTGTTGAAATGT
 GAACGCTGTTCCGTTTTACTTCTAGAAGACATTGAATCACCAGTGGTGAAGTTTACCAAATCCTTTGAAC
 TGATGTCCCAAAGTGCAGTGGGACGCGGAGAACAGTTTCAAAGAAAGTGTGGAGAAGTCACTTACTC
 CGACTGGCTGATAAATAACAGTATCGTGTGAGCTGGTTGCTTCGACAGGCCTTCTGTGAATGTCAGCGAT
 GCCTACCAGGACCCAGCTTTGACGCTGAGGCTGACCAGATATCTGGCTTTCATATAAGATCTGTTCTCT
 GTGTCCCTATTTGGAACAGCAACCACAAATAATAGGGTTCGCTCAAGTGTGAACAGACTCGATGGGAA
 ACCTTTTGATGATGCTGACCAAAGGCTTTTGGAGCCTTTGTCTCTTTGTGGCCTTGGTATTAACAAC
 ACGATTATGTATGACCAAGTGAAGAAGTCTGGGCCAAGCAGTCCGTGGCTCTTGTGTGCTGTCCTACC
 ACGCCACGTGTTCCAAGGCTGAAGTTGACAAGTTAAGGCAGCCAACATCCCCCTGGTGTGCGAACTGGC
 CATCGATGACATCCATTTTGATGACTTTCCCTTGATGTTGATGCCATGATCACAGCCGCTACCGGATG
 TTCATGGAGCTGGGGATGGTACAGAAATTTAAATCGACTATGAGACCCTGTGCAGGTGGCTTCTGACAG
 TAAGGAAAAACTATCGGATGGTTCTTACCACAAGTGGAGACATGCCTTCAACGTGTGCCAGCTGATGTT
 TGCCATGTAACTACTGCTGGTTTTCAAGAGATTCTGACCGAGGTGGAATTTTAGCGGTGATTGTGGGA
 TGCTGTGTCATGACCTCGACCACAGGGGAACCAAAATGCCTTCCAAGCTAAGAGTACTGACTGCACTGG
 CCCAGCTCTATGGGACCTCAGCGACCTTAGAGCATCACCCTTTAACCACGCCGTGATGATCCTTCAGAG
 TGAGGGTCACAACATCTTTGCTAATTTGCTCCAAGGAATACAGCGACCTCATGCAGCTCCTGAAGCAG
 TCGATACTAGCCACTGACCTCACGCTGACTTCGAGAGAAGAAGTGAAGTTCTCGAGCTTGTGAGTAAAG
 GAGCCTATGATTGGAGCATCACAAGTACCAGCGATGTTTTGATCAATGTTAATGACAGCTTGTGACCT
 TGGAGCCGTGACCAAACCGTGGGAGATCTCCAGACAGGTGGTGAACCTGTACCAGCGAGTTCTTCGAA
 CAAGGAGATCGGGAGAGGTGGAAGTCAAGCTACCCCTCTGCTATTTTGGACCGAACCAGGAAAGATG
 AGCTGCCTCGGCTGCAACTGGAGTGGATTGACAGCATCTGCATGCCTTTGTATCAGGCTTGGTGAAGT
 CAATGCAAACTGAAGCCGATGCTGGACTCAGTGGCCGCAACCGCAGGAAGTGGGAAGAGTTGCACCAA
 AAAAGACTACAGGTCTGCTGCCTCCCAGTCCCTTCCAGTCCCAGCCAGCGGTGGCCGGAGAGGACA
 GACTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_080893
Insert Size:	2808 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:	<ol style="list-style-type: none">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_080893.1 , NP_543169.1
RefSeq Size:	4170 bp
RefSeq ORF:	2808 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 (4), also known as PDE11A4, represents the longest transcript and encodes the longest protein (isoform 4).