

Product datasheet for **RN209788**

Pde8a (NM_198767) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde8a (NM_198767) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pde8a
Synonyms:	RNPDE8A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209788 representing NM_198767
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCTGCGCCCGAGCATCCACATTTCCGACAACCGAGTGTGCAACCCACGACAGCGACGGCGAGG
 ACGAGGACGTCCGGTCCCGCGCTGAGGTCTAGACAGCGATGGTCGACCCCGCCGGGCTCGTGGAGCC
 TCAGCCTCGGACAGCGGTGCCTCGAAGGTATCAGTTGCTGATGTGCAATTTGGCCCGATGAGATTCAT
 CAAGACCAGTTCAGGTACTTTTGTGTTACCAAAGAAGATAGCCAGTGAATGGATTCTACAGGGCAT
 GTGAAAAAGCCGGTTTAAAGTGCACAGTACCAAGGAGGTGCAGACTGTCCTTGCTGTTCCAGGACAA
 ACTCCATGACATCATCATAGACCACAGAAATCCCGACAGATGGATGCGGAGGCAATGTGCAGGTCT
 ATCAGATCATCAAATATCAGAAAACACAGTTATTGTTGGCGTAGTACGCAGGGTGACAAAGAAGAGG
 TGTCTTAAATGCCCTTCCCTGCGCTGGCTTACGCGGAGGTATATAGAAAACCCCAACGTCATGGCCTG
 TTATAATGAAGTCTCCAGTTGGCATTGGAGAGGTGCGATCACAGCTGAAACTCAGGGCTTGAATCA
 GTGTTCACTGCGTTAGAGAAGAGTCAAGAAGCGATTGAGATCACAAAGTGAGGACCACATCATCCAGTATG
 CAAACCCTGCATTTGAAACAACAATGGTTATCAGTCGGGAGAACTAATAGGGAAGGAGTTAGCACAAGT
 GCCCATCAATGAGAAGAAAGGTGACTTGCCTGGATGCCATAAATCCTGTGTGCAATCGACAAGGAGTGG
 CAAGGAGTTTACCATACCCAAAAGAAAAATGGAGATAACATCCAACAAAATGTGAAGATAATACCTGTCA
 TTGGGCAGGGAGGAAAAATCAGACACTATGTGTCCATTATCAGAGTGTGCAATGGCAGCAATAAGGTTGA
 GACCACAACTGAGTGTGTTGAGACTGATAGTCAAACAGATAGTCAGGCAGGCAAGCATAAAGACAGGAGG
 AAACATTCGATGGACGTCAAAGCGGTTTCTCCAGAACAAGCGAAGTTTCCAATCAGAGAAGCAATTCCT
 CTCTGGCCCGGATACATTCTATGATGATTGAGGCACCAATCACCAAGTAAATCAATTTCTAGTGCTGC
 CCAGGAAAACAGTCTGTGTCTGTGACAGAAGCCTTGAACCATGTGCTGGATATCCTGAGAACCACATGAA
 CTGTATTACCCAGTTTAACTAGAGGATGACCTCACGCCACTGACCTCGTTGGGGGCTTAAATGTCTG
 ATGGCTTACGGAGGTTTTAGGAAATGAGTATACTCTTGCAACAAAAAGCCTTCGGCCATCTTCAAGCCA
 GTTGGCCGTCCCATCTCCCTTCATGATATCCACCACGGATTGCTCAGGTCATAGAAAAAGGAGGCAA
 TGGGACTTTGACATTTTGGAGCTGGAAGCTGCAACCCAAAATAGGCCTTTGATTTATCTAGGTCCTCAAAA
 CGTTTGCTCGTTTGAATCTGTGAGTTCTTACAGTGTCTGAGGCAACGCTGAAATCATGGTTTCAAAT
 TATTGAATCCAATTACCATTCTCTAACCCCTACCACAATCCACGCACGCCGGATGTGCTTACGCC
 ACTGCGTATTTCTTTCCAGAAACAAGTTAAAGGACACTTTAGATCGCCTTGATGAGGTCGCTGCCCTCA
 TCGCTGCCACCATCCACGATGTGGATCACCCCGGAGAAACCAACTCTTCTCTGCAATCGCGGAAAGGA
 GCTGGCCGTACTGTACAATGACACTGCTGTGCTAGAGAGCCACCACGCAGCGCTGGCCTTCCAGTGACC
 CTTGAAAATGACAAATGCAATATCTTTAAAAACACAGACAGGAATGACTACCGGACACTACGCCAGAGTA
 TCATTGACATGGTCTAGCCACAGAGATGACAAAGCACTTTGAACACGTCAACAAATTTATCAACAGCAT
 CAACAAGCCTCTGAAAGCACAGAAAAACGAGGTTGAGGAACTGGCAGAAGTCTGGAAGATATAAGAGCC
 ATGGTCAGGACTCCAGAGAGCCGACTCTCATCAAAGGATGATGATTAAGTGTGCCGACGTGTCCAACC
 CCTGCCGGCCCTCGAGCACTGCATCGAGTGGGCTGCACGCATCTCAGAGGAGTATTTCTCCAGACCGA
 TGAAGAGAAACAGCTGGACTTGCCTGTGGTGATGCCAGTGTGACAGAAACACCTGCAGCATCCCCAAG
 TCTCAGATCTCCTTCATCGACTACTTCATCACAGACATGTTTGTGCTGGGATGCCTTTGTTTACCTGC
 CTAACCTTATGCGGCACCTGGAGGACAACCTCAAGTACTGGAAGGACTGGATGAGAAGGAGCTGTGCAC
 CCTCCGGCCCTCCAGAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_198767
Insert Size: 2472 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:	<u>NM_198767.1</u> , <u>NP_942062.1</u>
RefSeq Size:	2560 bp
RefSeq ORF:	2472 bp
Locus ID:	308776
Cytogenetics:	1q31
Gene Summary:	mouse homolog is a cAMP-specific cyclic nucleotide phosphodiesterase [RGD, Feb 2006]