

Product datasheet for **MC219615**

Pde4a (NM_019798) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde4a (NM_019798) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pde4a
Synonyms:	D9Ertd60e; Dpde2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219615 representing NM_019798
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCTGGTTGACTTCTTCTGCGAGACCTGCTCCAAGCCCTGGCTGGTGGGCTGGTGGGACCAGTTTA
 AAAGGATGCTGAACCGGGAACCTCACACCTGTGCGAAAATGAGCAGGTCAGGAAAACCAGGTCTCAGAGTA
 CATTTCCAACACGTTCTAGACAAGCAGCACGAAGTGGAGATCCCATCGCCCACGCCGCGACAGAGACCC
 TTCCAGCAGCCCCACCAGCAGCAGTGCAGCAGGCCAGCCCATGTCTCAGATCACAGGGCTGAAAAAGC
 TGGTACACACCGGAAGCTTGAACATCAATGTCCCACGATTTGGAGTCAAGACAGATCAGGAGGACCTCTT
 AGCACAAGAACTGGAGAAGCTTGAACAAATGGGGCCTGAACATCTTTTGTGTGTCGGAGTACGCTGGAGGC
 CGTTCCTCAGCTGTATCATGTATACGATATCCAGGAGCGGGACTTACTGAAGAAATCCACATCCCCG
 TGGACACCATGATGACATACATGCTGACGCTGGAGGACCACTACCAGCTGACGTGGCCTACCACAACAG
 CCTGCACGCAGCCGATGTGCTACAGTCCACACATGTGCTGCTGGCCACGCCTGCACTGGATGCCGTGTT
 ACAGACCTGGAGATTCTTGTGCTCTCTCGCTGCTGCCATCCATGACGTGGACCACCCTGGCGTCTCCA
 ACCAGTTCCTAATCAACACCAATTCGGAGCTGGCATTGATGTACAACGATGAGTCTGTGCTTGAGAACCA
 CCACCTGGCTGTGGGATTCAAGCTGCTGCAAGAAGAGAAGTGGCAGATCTTCCAGAACCTCAGCAAGCGC
 CAGCGGCAGAGCCTGCGCAAGATGGTCAATCGACATGGTGTGGCCACAGACATGTCCAAGCACATGACCC
 TTCTGGCTGACCTGAAGACTATGGTAGAGACGAAGAAAGTACCAGCTCTGGAGTTCTCTGTGGACAA
 CTACTCTGACCGTATCCAGGTCCTCAGGAACATGGTGCCTGTGACAGCCTCAGCAATCCCACCAAGCCC
 CTGGAGCTGTACGACAATGGACTGATCGCATCATGGCTGAGTTCTTCCAGCAGGGTACCGAGAACCGGG
 AACGCGGAATGGAGATTAGCCCCATGTGTGACAAGCACACAGCCCTGTGGAGAAGTCTCAGGTGGGCTT
 CATCGACTATATTGTTACCCACTGTGGGAGACGTGGGCCGATCTCGTCCACCCGATGCCCAAGACATC
 CTGGACACGCTGGAAGACAACCGGGATTGGTATCACAGTGCCATCCGCCAGAGTCCCTCCCCAACCTGG
 AAGAGGAGCCAGGAGTGCTCAGCGATCCGGCCCTGCCTGACAAGTTCCAATTTGAGCTCACCTTGAGGA
 AGAGGATGAAGAGGATTCATTGGAGTTCCAGGATTGCCTTGCACTGAGGAAACTCTCCTGGCTCCACAT
 GATACCAGAGCTCAAGCCATGGAACAGTCAAAGGTCAAAGGCCAGAGCCCTGCTGTTGTGGAGGTAGCAG
 AGAGTTTGAAGCAGGAGACAGCCTCAGCACATGGCGCTCTGAGGAGTCCGCGGAGGCTGTGGGCCATTC
 CTTCAGCCTTGAACCTCTATTCTGCCTGACTTGAGGACCCTGTCCCCCTCAGAGGAGGCCAGGGCCCTC
 CTGGCCCTCCCCTCCATGGCGGCAGAGGTGGAGGCCCAAGAGACCATCTGGCTGCCATGAGGGCTTGT
 CTGCCTGCTCGGGACATCAGGAGACAATTCTGCCGTCATCTCTGCTCCAGGCAGTGGGGTCAAGTGG
 AGACCCTGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019798

Insert Size: 1833 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_019798.5](#), [NP_062772.3](#)

RefSeq Size: 4150 bp

RefSeq ORF: 1833 bp

Locus ID: 18577

UniProt ID: [O89084](#)

Cytogenetics: 9 7.73 cM

Gene Summary: Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) lacks segments in the 5' end and contains an alternate segment, compared to variant 5. The resulting protein (isoform 1) is shorter and has a distinct N-terminus when it is compared to isoform 5.