

Product datasheet for **MC222723**

Pde11a (NM_001081033) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde11a (NM_001081033) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pde11a
Synonyms:	6330414F14Rik; A630086N24Rik; Gm350; PDE11A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC222723 representing NM_001081033
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGCCTCCGCCTGGACTTCGGGGAGGTGAAAACCTTCTGGATAGCACCCAGAGTTGTTTGAAG
 ATTAAGTTCGCGAAAAGGAAAACAGGAAGTGGTGGACAAGTGGCTACAAGGCACACTTCTGGACAGGG
 GGCTTCAAGCCTGAGGCCTGCCCTGGCTGGCGCTAGCAGCTTGGCTCAGAGCAATGCTAAAGGCAGCCCT
 GGCATAGGTGGTGGTGGTGGACCCAGGGCTCTGCCACAGCCATCCCACGCCCGGTGGTGGGAAAGTG
 CTGGGGTTCCTTGAGTCCAGTTGGGCCAGTGGCAGCCGGGTGATGGCAGCCTGCAGCGGAGAGCTTC
 GCAGAAAGAGCTGAGGAAGAGCTTTGCCCGCTCCAAGCCATCCATGTGAACAGGACCTACGATGAACAG
 GTGACCTCCCGGGCCAGGAGCCCTGAGCAGTGTCCGGAGGAGAGCCCTGCTCAGAAAGGCCAGCTCTC
 TGCCCCCACCACAGCTCACATTCTAAGTGCCCTGCTGGAATCGAGGGTGAATCTGCCTCAGTATCCCC
 TACGGCCATCGACTACAAATGCCACCTCAAAAAGCATAACGAGCGCCAGTTTTTCTGGAAGTGGTCAAG
 GACATCTCCAATGACCTTGACCTACCAGCCTAAGCTACAAGATCCTCATCTTTGTCTGTCTCATGGTGG
 ACGCTGACCGTTGCTCTCTTCTTAGTGAAGGGGCAGCTGCTGGCAAGAAGACGTTGGTCTCCAAGTT
 TTTTGATGTGCACGCAGGAACCCCACTGCTCCCTGCAGTAGCACAGAGAACTCAATGAGGTGCAAGTC
 CCCTGGGGCAAAGGTATCATTGGCTATGTCCGGGAACACGGAGAAACTGTTAACATCCCGGATGCCTACC
 AGGACCGAAGATTCAATGATGAAATTGACAAGCTGACTGGATAACAAGACAAAATCACTATTGTGCATGCC
 CATTCCGAACAGCGACGGGGAGATTATCCGGTGTGGCCAGGCGATAAATAAGTCCCTGAGGGTGTCTCA
 TTTACAGAAGATGACGAAAAGTTATGCAATGTATCTCCGTTCTGTGAATCGCCATATCTAATGCTC
 AGCTCTTCGCTGCCTCAAGGAAAGAATACGAAAAGAAGCAGGGCCCTGCTGGAGGTGGTCAATGACCTCTT
 TGAAAGAACAGACTGATCTGGAAAAGATTGTCAAGAAAATAATGCATCGGGCCCAAACTCTGCTGAATGT
 GAACGCTGTTCCGCTTACTTCTAGAAGACATTGAGTCCCAGTGGTGAAGTTTACCAAATCCTTTGAAC
 TGATGTCCCAAAGTGCAGCGCTGATGCTGAGAACAGTTTCAAAGAGAGTGTGGAGAAATCGTCTTACTC
 TGACTGGCTGATAAAACAACAGCATCGTGTGAGCTGGTGTTCGACAGGCCCTCCTGTGAATGTCAGCGAT
 GCCTACCAGGACCCAGCTTTGACGCTGAGGCTGACCAGATATCTGGTTTTCATATAAGATCTGTTCTCT
 GTGTCCCCATTTGGAACAGCAACCACCAATAATTGGGGTGGCTCAAGTGTGAACAGACTCGACGGAAA
 ACCTTTTGTATGATGCAGACCAAAGGCTTTTGGAGCCTTTGTATCTTTGTGGCCTTGGTATTAACAAC
 ACAATTATGTACGATCAAGTGAAGAAGTCTGGGCCAAGCAGTCTGTGGCCCTTGTGTGCTGTCGTACC
 ACGCCACGTGTTCCAAGGCTGAAGTCGACAAGTTAAGGCAGCCAACATCCCTCTGGTGTGCGAACTGGC
 CATCGATGACATCCATTTGATGACTTTCCCTTGTGATGTTGATGCCATGATCACAGCCGCTACCGGATG
 TTCATGGAGCTGGGGATGGTACAGAAATTTAAAATCGACTATGAGACCCTGTGCAGGTGGCTTCTGACGG
 TAAGGAAAAACTATCGGATGGTTCTTACCACAAGTGGAGACATGCCTTCAACGTGTGCAACTGATGTT
 TGCCATGTAAGTACTGCTGGTTCCAAGAGATTCTGACCGAGGTGAAATTTTAGCGGTGATTGTGGGA
 TGCTGTGTATGACCTCGACCACAGGGGAACCAACAATGCCTTCCAAGCTAAGAGTGAATCTGCACTGG
 CCCAGCTACGGGACCTCGCGACCTTGGAGCATCACCATTTAACCATGCTGTGATGATCCTTCAGAG
 TGAGGGTCACAACATCTTTGCTAATTTGCTCCTCCAAGGAATACAGTGAACCTCATGCAGCTCCTGAAGCAG
 TCAATATTAGCCACAGACCTCACGCTTACTTTGAGAGAAGAAGTGAAGTTCTTCGAGCTTGTGAGGAAAG
 GAGACTACGATTGGAGCATCACAAGCCACCGAGATGTTCCGATCAATGTTAATGACAGCCTGTGACCT
 TGGAGCCGTGACCAACCCTGGGAGATCTCCAGACAGGTGGTGAACCTGTAACCAGCGAGTTCTTTGAA
 CAAGGAGATCGGGAGAGGTGGAAGTCAAGCTCACTCCCTCTGCTATTTTGGACCGAACCAGGAAAGATG
 AACTGCCTCGGTTGCAGCTGGAGTGGATTGATAGCATCTGCATGCCTTTGTATCAGGCCCTGGTGAAGGT
 CAATGCAAACTGAAACCAATGCTGGATTCAAGTGGCTGCCAACCGAAGGAAGTGGGAAGAGTTGCACCAA
 AAAAGACTACAGGTCTCGGCTGCCTCCCCAGACCCTGCCAGTCCATGGTGGCCGGGAAGACAGACTGT
 AA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN:	NM_001081033
Insert Size:	2802 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_001081033.1</u> , <u>NP_001074502.1</u>
RefSeq Size:	2848 bp
RefSeq ORF:	2802 bp
Locus ID:	241489
UniProt ID:	<u>P0C1Q2</u>
Cytogenetics:	2 C3
Gene Summary:	Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides cAMP and cGMP. Catalyzes the hydrolysis of both cAMP and cGMP to 5'-AMP and 5'-GMP, respectively (By similarity).[UniProtKB/Swiss-Prot Function]