

Product datasheet for **MR218401**

Pde1a (NM_001009979) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde1a (NM_001009979) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pde1a
Synonyms:	AI987702; AW125737
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218401 representing NM_001009979
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATCTTTAGAAGACTGCTGGACACAGAGGATGAACTACGCGACATCCAGACTGACTCCGTCATCGG
 AAGTCCGGGATTGGTTGGCTTCAACTTTACACGCAAAATGGGGATGATGAAAAAGAACCTGAAGAAAA
 ACCAAAGTTTCGACGATTGTCCATGCTGTCCAGGCTGGGATTTTGTGAAAGGATGTACAGGAAGAAC
 TATCACATGGTTGGTTTGACATATCCTGCAGCTGTATAGTGACACTCAAGGAAGTTGATAAATGGTCTT
 TTGATGTATTTGCCTTAAATGAAGCAAGCGGGAGCATAGCCTGAAGTTTATGATTTATGAACTCTTTAC
 CAGATATGATCTTATCAACCGCTTCAAGATTCCTGTTTCTTGCCTAATTGCCTTTGCAGAAGCCTTAGAA
 GTTGGTTACAGCAAGCACAAAAATCCATATCATAATTTGGTCCATGCAGCTGACGCTCAAACTGTGC
 ATTATATAATGCTTCATACAGGTATCATGCACTGGCTCACTGAACTGGAAATTTAGCCATGGTCTTTGC
 AGCTGCCATTCATGATTATGAGCACACAGGAACAACAACAACCTCCATATTCAGACGAGGTCGGACGTT
 GCTATTCTGTACAACGACCGCTCAGTGCTTGAGAATCACCACGTCAGCGCAGCCTACAGACTTATGCAAG
 AGGAGGAAATGAATATTTTGGTAAATTTGTCTAAAGATGACTGGAGGGATCTTCGGAACCTAGTGATTGA
 AATGGTCTTAGCGACAGACATGTCAGGGCATTTCAGCAAATTAACAAATAAGAAAACAGCTTGCAGCAG
 CCGGAAGGGATTGACAGAGCCAAAACATGTCCCTGATACTCCATGCAGCTGACATCAGCCACCCAGCCA
 AAACCTGGAAGTTGCACTACAGATGGACCATGGCCCTAATGGAGGAGTTTTCTGCAGGGAGACAAAGA
 AGCTGAATTAGGGCTTCCATTTCTCCACTTTGTGATCGGAAGTCAACAATGGTTGCCAGTCGCAATA
 GGTTTCATTGATTTATAGTGGAGCCAACGTTTTCTCTCTGACGGACTCAACAGAGAAAATTGTCATTC
 CTCTTATAGAGGAAGCTTCAAAGTCACAGTCTTCAAACCTACGGGGCAAGCAGCTCGTCCACCATGTTG
 GTTCCATGTTGCTGACTCTCTGAGGCGGTCAAATACAAAAGGCTCCGTGTGTGATGGGAGCTATGCCCA
 GACTACTCGTCTCAGCTGTGGATCTGAAGAGTTTCAAAAACAACCTGGTGGACATCATTAGCAGAAACA
 AAGAGAGGTGAAAGAGTTGGCTGCCAAGAACAAAATCAATTCTACAGGAACAGCGTTGTTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218401 representing NM_001009979
 Red=Cloning site Green=Tags(s)

MIFRRLDTEDELSDIQTDSVPSEVRDWLASTFTRKMGMMKKKPEEKPKFRSIVHAVQAGIFVERMYRKN
 YHMVGLTYPAAVIVTLKEVDKWSFDVFNALNEASGEHSLKFMIIYELFTRYDLINRFKIPVSCLIAFAEAL
 VGYSKHKNPYHNLVHAADVQTQVHYIMLHTGIMHWL TELEILAMVFAAAIHDYEHTGTTNFIHQTRSDV
 AILYNDRSVLENHHVSAAYRLMQEEEMNILVNL SKDDWRDLRNLVIEMVLATDMSGHFQQIKNIRNSLQQ
 PEGIDRAKTMSLILHAADISHPAKTWKLHYRWTMALMEEFFLQGDKEAELGLPFSPLCDRKSTMVAQSQI
 GFIDFIVEPTFSLLDSTEKIVIPLIEEASKSQSSNYGASSSSTMIGFHVADSLRRSNTKGSVCDGYSYAP
 DYLSAVDLKSFKNLVDIIQQNKERWKELAAQEPKSILQEQRCC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

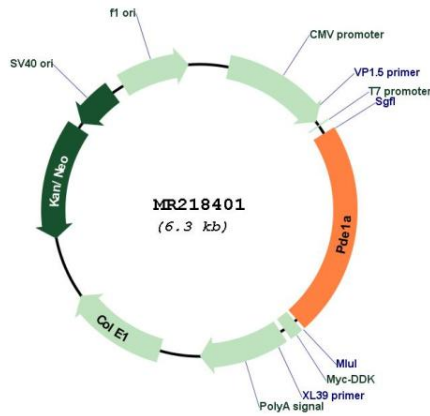
Sgfl-MluI

Cytogenetics: 2 C3

MW: 53.8 kDa

Gene Summary: Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Has a higher affinity for cGMP than for cAMP (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218401