

Product datasheet for **MR209609**

Pde1c (NM_001159960) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde1c (NM_001159960) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pde1c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR209609 representing NM_001159960
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGTCTCAACCAAGGAAATTGAAGAATTCGAGAGCAACTCTCTGAAACACCTGCAACCTGAGCAGA
TCGAGAAAATCTGGCTTCGGCTCCGCGGGCTGAGGAAATATAAGAAAACGTCCCAGAGGTTACGGTCTTT
GGTCAAGCAATTAGAACGAGGAGAGGCCTCTGTGGTAGACCTTAAGAAGAATCTGGAATATGCAGCCACA
GTGCTTGAATCTGTATATATTGATGAAACAAGGCGACTGCTGGATACAGAGGATGAGCTTAGTGACATTC
AATCAGATGCTGTGCCTCAGAAGTTCGGGATTGGCTGGCTCCACCTTCACACGGCAGATGGGGATGAT
GCTTAGGAGAAGTGATGAGAAGCCAGGTTCAAGAGCATCGTCCATGCGGTGCAAGCTGGGATATTTGTG
GAAAGAATGTACAGACGGACATCAAACATGGTTGGGCTGAGCTATCCACCGGCTGTAATCGATGCATTGA
AGGATGTGGATACGTGGTCTTCGATGTCTTTCCCTCAATGAGGCCAGTGGAGATCATGCACTGAAGTT
CATTTTCTATGAATTACTCACACGTTATGACCTGATCAGCCGTTTTAAGATACCGATTTCTGCATTGTG
TCATTTGTGGAGGCCCTCGAAGTGGGTTACAGCAAGCACAAAAATCCTTACCATAACCTGATGCATTGCAG
CTGACGTCACACAGACTGTGCATTACCTCCTTTATAAGACAGGAGTAGCAAACCTGGCTGACAGAGCTGGA
GATCTTTGCAATAATCTTTTCGGCTGCCATCCATGACTATGAACATACTGGAACACAAAACATTTCCAC
ATTCAGACTCGGTGAGATCCAGCTATCCTGTACAATGACAGATCTGCTCCTGGAGAACCACCACCTGAGTG
CAGCCTACCGCCTTCTGCAGGAAGACGAAGAGATGAATATTCTGGTTAACCTCTCAAAGGATGACTGGAG
GGAGTTTTCGAACCTTGGTTATTGAGATGGTAATGGCCACAGATATGTCCTGTCAATTTCCAGCAAATCAA
GCCATGAAGACAGCCCTGCAGCAACCAGAAGCAATTGAGAAGCCGAAAGCCTTATCCCTCATGTTACACA
CAGCAGACATCAGTCATCCTGCGAAAGCATGGGACCTGCACCACCGCTGGACCATGTCTCTCCTGGAGGA
GTTCTTTAGACAGGGTGACAGAGAAGCAGAGCTGGGGCTGCCATTTTCTCCTTTGTGACAGAAAAGTCA
ACCATGGTTGCTCAGTCACAAGTGGGTTTTATTGACTTATTGTGGAGCCACCTTCACTGTGCTCACGG
ACATGACCGAGAAGATTGTGAGTCCATTAATTGACGAAAGCTCCCAGACTGGTGGACAGGGCAGAGGAG
ATCAAGTTTGAACAGCATCAACTCATCAGATGCAAAGCGATCCGGTGTCAAGAGTTCTGGGTGAGATGGA
AGTGCTCCCATCAACAATTCTGCTATTCTGTTGACTATAAGAGTTTTAAAGCCACTGGACTGAGGTGG
TGCAGATCAATCGGGAGCGGTGGCGAGCCAAGGTACCCAAAGAAGAAAAAGCCAAGAAGGAAAGCTGAAGA
GAAGGCTCGCCTGGCTGCTGAGGAAAAGCAAAAGGAAATGGAAGCCAAAAGCCAAGCTGAACAAGGCACA
ACCAGCAAAGGCGAGAAAAGACATCAGGAGAAGCCAAAAGTCAAGTCAATGGAACACGCAAGGGTGATA
ACCCTCGTGGGAAGAACTCCAAAGGAGAAAAGGCAGGCGAAAAGCAGCAGAACGGTGACTTGAAAGACGG
TAAAAATAAGGCAGACAAGAAGGATCACTCCAACACCGGAAATGAGTCAAAGAAAACAGATGATCCAGAG
GAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_001159960.1](#), [NP_001153432.1](#)

RefSeq Size: 8738 bp

RefSeq ORF: 1896 bp

Locus ID: 18575

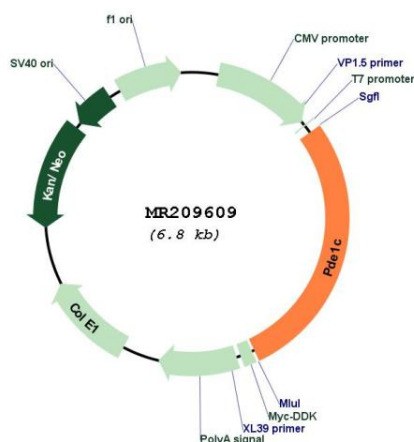
UniProt ID: [Q64338](#)

Cytogenetics: 6 27.65 cM

MW: 71.7 kDa

Gene Summary: Calmodulin-dependent cyclic nucleotide phosphodiesterase with a dual-specificity for cAMP and cGMP, which are key regulators of many important physiological processes (PubMed:8810348). Exhibits high affinity for both cAMP and cGMP (By similarity). Modulates the amplitude and duration of the cAMP signal in sensory cilia in response to odorant stimulation, hence contributing to the generation of action potentials. Regulates smooth muscle cell proliferation. Regulates the stability of growth factor receptors, including PDGFRB (Probable).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209609