

Product datasheet for **RN204571**

Pde1c (NM_031078) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde1c (NM_031078) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pde1c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN204571 representing NM_031078
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGACACCAGCCACAAGAAGGAGGGCTTCAAGAAATGTAGGAGCGCCACTTTCAGCATCGACGGT
 ACAGCTTCACCATCGTTGCAAATGAAGCAGGAGATAAGAATGCCAGACCCCTTGACGCTTCTCCGATC
 TAAGTCACAGAAGTGTCTGTGGAAGTCCCTCATTGATGGCCTCACTGGGAATGTTAAGGAGAAGCCACGG
 CCAACAATTGTCCAGGACACCCGACCCCAAGAAGAAATTCGGCAGATGAATTGCCACAAGTGGATAGCC
 CAGAAGCTTTGGTGAAGACATCCTTCAGGTTACGGTCTTTGGTCAAGCAATTAGAGCGAGGAGAGGCCTC
 TGTGGTAGATCTAAGAAGAATCTGGAATATGCAGCCACAGTGCCTTGAGTCTGTATATATTGATGAAACA
 AGGCGCTGCTGGATACAGAGGATGAAGTGTAGTACATTAGTGCAGTGCCTTGAGTCTGTATATTGATGAAACA
 ATGGCTGGCCTCCACCTTCACTCGGCAGATGGGGATGATGCTTAGGAGAAGCGATGAGAAGCCAGGTT
 CAAGAGCATTGTCCATGCAGTGAAGCTGGGATATTTGTGGAGAGAATGTATAGACGGACATCAAACATG
 GTTGGGTTGAGCTATCCACCGGCTGTAATCGATGCACTGAAGGATGTGGACACATGGTCCCTCGATGCT
 TTTCCCTCAATGAGGCCAGTGGAGATCATGCTTTGAAGTTCATTTTCTATGAATTACTCACACGTTATGA
 CTTGATCAGCCGTTTTAAGATACCCATTTCTGCACTTGTCTCATTGTGGAGGCCCTTGAAGTTGGTTAC
 AGCAAGCACAAAAATCCTTACCATAACCTGATGCATGCCGCCGATGTCACACAGACTGTGCATTACCTCC
 TTTATAAGACGGGAGTAGCAAATGGCTGACGGAGCTGGAGATCTTTGCAATAATCTTCTCGGCTGCCAT
 CCATGACTATGAACATACTGGAAGTACCAACAATTTCCACATTGAGACTCGGTCGGATCCAGCTATCCTG
 TACAATGACAGATCTGTACTGGAGAACCACCAGTGTAGTGCAGCCTACCGTCTTCCAGGAAGATGAAG
 AGATGAATTTCTGGTCAACCTCTCAAAGGATGACTGGAGGGAGTTTCGAACTTTGGTAAATCGAGATGGT
 AATGGCCACAGATATGTCTGTCTTCCAACAATCAAAGCCATGAAGACAGCCCTGCAGCAACCAGAA
 GCAATGAAAAGCCGAAAGCCTTATCCCTCATGCTGCACACAGCAGACATCAGTCACTCCTGCGAAAGCGT
 GGGACTTGCACCACCGCTGGACCATGTCTCCTGGAGGAGTTCTTTAGACAGGGTGACAGAGAAGCTGA
 GCTGGGGTGCATTTTCTCCTGTGTGACCGAAAGTCAACCATGGTTGCTCAGTCACAAGTGGGTTTT
 ATTGACTTCATTGTGGAACCTACCTTCACTGTGCTCACGGATATGACTGAGAAGATTGTGAGTCCATTAA
 TCGATGAAACCTCCAGACTGGCGGGACAGGCCAGAGGCGATCAAGTTTGAACAGCATCAACTCATCCGA
 TGCAAAGCGATCAGGTGTCAAGAGTTCTGGGTGAGAAGGAGTGCATCAACAAATTCTGTCATCCCT
 GTTACTACAAGATTTTAAAGCCACTTGGACCGAGGTGGTGCAGATCAATCGGGAGCGGTGGCAGGCCA
 AGGTTCCCAAAGAAGAGAAAGCCAAAGAAGGAGCTGAAGAGAAGGCTCGCCTAGCTGCTGAGGAAAAGCA
 AAAGGAAATGGAAGCCAAAGCCAAAGTGAACAAGGCACAACCAGCAAAGCTGAAAAAAGACATCAGGA
 GAAACAAAAGGTCAAGTCAACGGAAACACGCACAAGCAAGGGTGACAACCTCGTGGGAAGAACTCCAAAG
 GCGACAAGGCAGGCGAAAAGCAGCAGAAATGGTACTTGAAGAATGGTAAAAATAAGGCAGACAAGAAGGA
 TCACTCCAACACCGGAAATGAGTCAAAGAAAGCAGATGGTACCAAGAAGCGTTCTCATGGCTCACCTGCT
 CCAAGCACTAGTCCACAAGTCCCTACGCACCTTCCGTTCCAAGAAAAGTATGATCATCCCGTAAGGTACAA
 GATGCTGGATCAGCGGATCAAGATAAAAAGATCCAGAACATCTCTCATCACTGGAACAAAAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031078

Insert Size: 2307 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_031078.2</u> , <u>NP_112340.1</u>
RefSeq Size:	3186 bp
RefSeq ORF:	2307 bp
Locus ID:	81742
UniProt ID:	<u>Q63421</u>
Cytogenetics:	4q24
Gene Summary:	displays Ca ²⁺ /calmodulin dependent cAMP and cGMP phosphodiesterase activity; may play a role in olfactory signal transduction [RGD, Feb 2006]