

## Product datasheet for **MC206613**

### **Pde4c (BC030873) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pde4c (BC030873) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pde4c
Synonyms:	Dpde1, dunce, MGC31320
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC030873  
 CCCTCCTCCAGTCCCAGGGTGCCTCCTGGCTCGGGTCTAGTCTGGTGTCTCAGTTAAAGAACCCAGCTGG  
 GAGTGGGACAGGACCGTCTGTCTCTGTCTCTGGGAGGTACAGAGCACACTCACAGCGCAGGTCCCCAC  
 AGGAGCAGCTGGAAAAGCCTGCACCATGAGGCGGAGTGGCACGGCCCTGTCTTCTGTGGACTGAGCGA  
 GTCCGAGAGCCAGTGGATTCTGGAGTGGCCCTGTGAGCCCTAGTGGGGGTGTATCCTGAGACGGT  
 TCTCAGGACCCCTGCTGCTGCCTCCACTGTCCAGCCGCTGGGGTCTCTGGGGAGGCGGAGTCTGCTGC  
 CCACGTGGTCTTACGATTGGAACCTCAAGGACACAGAGAAACCTTGGCTCAGCTCAGAGCAGCTTTGAC  
 CTCGAAAATGGGCTTCCGGGCGCAAGGGTCTCTAGACGCTCAGTCCGGGCCGAGTCTCGCCCGGCC  
 TCCAGCCCTGTCCATCATGTCCAGCGCGCAGTCTTCTGTACCGTTCCGACAGCGACCATGAACC  
 TTCACCCAAGGCTGTGTCCCGACCTCCTCGGCGGCCAGTGACCTACATGGAGAAGACATGATTGTCACG  
 CCCTTCGCCAGGTCTGTCCAGTCTCAGGACGGTCCGTAACAACGTGGCTGCCCTTGCACATGGCCCGG  
 GTAGTGCCACCAGGACGGTGTCTCTGGAAACCCCTCCGCACAGCAGTCAACAGGCAGCCCCAACAGAGGA  
 CTCTGGGTGTCAGCTGGTGCAGGAGACCCTGGAGGAGTGGACTGGTGCCTGGAGCAGCTGGAGACTG  
 CAGACTCGTGCCTCAGTGGGCGAGATGGCTCCAACAAGTTCAAGCGCATGCTCAACCGTAGTTGTCTT  
 ACCTGTGCGAAAACAGCCGCTCAGGGAACAGGTGTCGGAGTACATCTCGCAGACTTTCCTGGACCAACA  
 GGCTGAGGTTGAGCTGCCTCAGCCGCCACGGAAGACGACCCATGGCCCATGGCCAGATCACTGAGCTG  
 CGTAGGTCTCCACACCAGCCTTCCACAGCTGCTATCCCACGCTTTGGGGTCCAGACAGATCAGGAGG  
 AGCAGCTGGCTAAGGAACCTGAAGACACCAAAATGGGACTTGATGTGTTCAAAGTGGCTGAGCTGAG  
 TGGGAACCGCCCTCTCACAGCTGTCAATTCAGCGTCTTCCAGGAACGAGACCTCCTCAAGACGTTCCAG  
 ATCCCAGCAGACACGCTGCTGGCGTACTTGCTGACACTAGAGGGGCACTACCACTCCGACGTGGCGTACC  
 ACAACAGCATGCATGCTGCCGATGTGGTGCAGTCCGCACACGTGTTGCTGGGCACCCAGCCCTGGAGGC  
 TGTGTTACGGACCTAGAAGTCTTGGCAGCTATCTTTCATGTGCTATAACAGACGTAGACCACCCGGGG  
 GTCTCCAACCAAGTCTCATCAACCAACTCAGAGCTGGCACTGATGTACAATGATTCACTCGGTGCTGG  
 AGAACCATCACCTCGCGGTAGGCTTCAAGCTCCTGCAGGGGAAAACCTGCGACATCTTCCGGAACCTCAG  
 TACCAAGCAGAGACTGAGTCTGCGCAGGATGGTATAGACATGGTGTGGCCACAGATATGTCTAAGCAC  
 ATGAGCCTTCTGGCCGACCTCAAGACCATGGTGGAGACGAAGAAAGTGACCAGCCTTGGCGTCTGCTCT  
 TGGACAATTACTCTGACCGCATCCAGCAGGGTACCGGGAGCGAGAGTCAAGTCTGGACATCAGCCCCAT  
 GTGCGACAAAACACAGCCTCGATGGAGAAATCCCAGGTGGGATTCATTGACTACATCGCTCAGCCATTG  
 TGGGAGACATGGGCTGACCTAGTGCACCCCGATGCTCAGGAGCTTCTGGACACCTTGAAGACAACAGAG  
 AGTGGTATCAGAGTAGGATTCCTGCAGCCCTCCACACACCATGGGCTCAGACAGGTTCAAGTTTGAAGT  
 GACCCTGGAGGAAGCAGAGGAAGAGGAGGAAGAGGAAGATGAAGGACAGTGCACAGCACTGAACAGGGAG  
 TCCTCAGAGTTACCCAGCACTTAACTCCTGTCTCTAAGGCCAGCCAGAACCCAGGGTCTGCTTTGTCC  
 AACAAAGAGTTGGGCTAGCTTAGTGTGGACCGTGGAGTCTGGTGCAGACCATGGGCACCTATGGGCACTGA  
 TGACGTTCCACCACTCAAAGAGGACAGCCAAGGTTTACACAGAGCCAAGCCTGAGGGAGGCTGGGACCAG  
 CTCTGCCACAGACTGGAATGGCACCAGCCCTGGGAAGCGCCGACTCCTGCATCTCAAAGACAGACTTA  
 GACTCAACTGCAGTCTGCACGTGAGCTTTCAGCAGTGCAGTCCGACTCTGCGTTATGGTTTAGTTGGTTT  
 CTTTTTGGCACTAAAGATGGAACCAATGTTGCCTTACCAGTCCAGCTGCAAGCCTTACTGAGTCCCTC  
 GGGGGAATCCCTTTCGTAATAATGCGGGTGGGGAACACTTCCCACTGAGGTCTGGTGTCTCCTGACACCA  
 TGGCTGCACAAGACTCTTCTTAGATATCAGGAGGCCGGTACCCTCTAGAAGACCACTGCAGCCCTCAA  
 TCCTCCCATCAATGAGGATCCCCGTCTCCGACAAGATTGGGCTTCTCAAACCAAGTGTGCTTTGCACCTC  
 TCTTACCATAGGCATCCCCAGACTTGGGTGTGTGTGTGGAGACAGTGGTCCAGGCTGGGACGCT  
 GACTAGAAATAAAAAGAGCTGGAGTGGGCTGGAAAAGATGGCTCAGTGGTTAGGAGCACTGACTGTTCTTC  
 CAGAGGCTCTGAGTTCAAATCCCAGCAACCAGTGGTGGCTCACAATCATCTGTAATGGGATCTGTTTTT  
 TGTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTG  
 TCACTCTGCAGACCAGGCTGGCCTCGAACTCAGAAATCCACCTGCCTCTGCCTCCCAAGTGTGGGATTA  
 AAGACATGTGCCACCACCACTGTGTGGCCTGAAATGGGATCTGATGCCCTCTTCTTTTGTGTCTGAAGAA  
 AGCAATGGTACTCACATATAGTAAATAAATAAATCTTTAAAAAAAAAAAAAAAAA

**Restriction Sites:** EcoRI-NotI  
**ACCN:** BC030873  
**Insert Size:** 1959 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC030873</a> , <a href="#">AAH30873</a>
<b>RefSeq Size:</b>	3204 bp
<b>RefSeq ORF:</b>	1959 bp
<b>Locus ID:</b>	110385
<b>Cytogenetics:</b>	8 34.15 cM
<b>Gene Summary:</b>	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes.[UniProtKB/Swiss-Prot Function]