

## Product datasheet for **MC221337**

### **Pde4d (NM\_011056) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pde4d (NM_011056) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pde4d
Synonyms:	9630011N22Rik; Dpde3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221337 representing NM\_011056  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGAGGGACACTTGTGATGTACTCTCTCGGAGCAAAAGTGCCTCTGAGGAAACTGCACTCCTGTA  
 ATGAAGAAGAGGACCCCTTTTCGTGGAATGGAGCCCTATCTCGTACGGCGACTTTCTTCCCGCAGCATTCA  
 GCTTCCACCTCTGGCCTTCAAGACAGTTGGAACAAGCAGACTTGGCAAGCGAATCAGAGAACATCCCTCGG  
 CCAACTAGCCTCCCTTAAAAATCCTGCCTCTGATCGCCGTCACATCTGCAGACTCAAGTGGTTTCGATG  
 TGGACAATGGCACATCAGCGGGACGGAGTCCCTTGGATCCCATGACCAGCCAGGGTCTGGGCTGATTCT  
 CCAAGCAAACCTTGTCCACAGTCAACGCCGGGAGTCTTCTGTACCGATCTGACAGCGACTATGACCTC  
 TCTCAAAGTCTATGTCCAGGAACCTCTGATTGCCAGTGATATACATGGAGATGACTTGATTGTGACCC  
 CGTTTGCTCAGGTCTTGGCTAGCCTGCGAACCGTACGGAACAACCTTGTGCGTTAACGAATTTGAAGA  
 CCGAGCACCCAGAAAAGATCACCCATGTGCAACCAACCATCCATCAACAAAGCCACCATCACAGAGGAG  
 GCCTACCAGAAAATGGCCAGCGAGACCCTGGAGGAGCTGGACTGGTGTCTGGACCAGCTAGAGACCCTGC  
 AGACCAGGCACTCCGTCAGTGAGATGGCCTCCAACAAGTCAAAAAGGATGCTGAACCGGGAGCTCACGCA  
 TCTCTGTGAGATGAGTCGGTCTGGCAACCAGGTGTGGAGTACATCTCAAACACATTTCTCGATAAGCAA  
 CATGAAGTGGAAATCCCTCTCCAACCTCAGAAGGAAAAGGAGAAGAAGAAAAGGCCGATGTCGCAGATCA  
 GTGGGGTCAAGAAGTTGATGCACAGCTCCAGCCTAACTAATTCATGTATCCCGAGTTTGGGGTAAAAAC  
 GGAGCAGGAAGATGTCTGGCCAAGGAAGTGAAGATGTGAACAAGTGGGGCCTCCACGTTTTCCGAATA  
 GCAGAGCTGTCTGGTAACCGGCCTGACTGTTATCATGCACACCATTTTCAGGAACGAGATTTGTTAA  
 AAACGTTTAAAAATCCAGTAGACACTTTGATTACGTATCTTATGACTCTGGAAGACCATTACCATGCTGA  
 CGTGGCCTATCACAACAACATCCATGCTGCAGAGTCTGTCAGTCCACTCACGTGCTCTCTACACCC  
 GCTTTGGAGGCTGTGTTACAGACTTGGAGATTCTCGCGGCCATTTTTGCCAGTGAATACATGATGTGG  
 ACCATCTGGGGTGTCAAATCAATTTCTGATCAATAAAAATCGGAACTCGCTCTGATGTACAACGACTC  
 CTCGGTCTAGAGAACCATCACTTGGCGGTGGGCTTTAAGTTGCTCCAGGAAGAAAATGTGACATTTTC  
 CAGAATCTGACAAAAAGCAAAGACAATCTTAAAGGAAAATGGTCATTGACATTGCTCTGGGACAGACA  
 TGTCGAAGCACATGAACCTGCTGGCTGATCTGAAAACCATGGTTGAAACCAAGAAGGTGACAAGCTCCGG  
 CGTCTCTCTCTGGATAACTACTCCGACAGGATCCAGTCTTCCAGAAATGTTGACTGTGCAGACCTG  
 AGCAACCCCAAAAGCCACTCCAGCTGTACCGCCAGTGGACGGACCGGATAATGGAGGAGTCTTCCGCC  
 AGGGGGACCGAGAGCGGGAGCGTGGCATGGAGATAAGTCCCATGTGTGACAAGCACAACGCCTCTGTGGA  
 AAAATCACAGGTGGGCTTCATAGACTATATCGTTCATCCACTCTGGGAGACGTGGGCAGACCTCGTACAT  
 CCCGATGCCCAGGACATCTTGGACACTTTGGAGGACAATCGTGAGTGGTACCAGAGCACAAATCCCCCAGA  
 GCCCTCCCTGCACCTGATGACCAAGAGGAGGGCCGGCAGGGACAGACTGAAAAATTCAGTTTGAAC  
 AACCTTGGAGGAAGACTGCGAGTCAAGACTGAAAAGGACAGTGGAAAGTCAAGTGGAGGAAGACTAGC  
 TGCAGTGACTCTAAGACTCTGTGCACCCAAGACTCAGAGTCCACTGAAATTTCCCTTGACGAGCAGGTTG  
 AGGAGGAAGCTGTAGCGGAAGAGGAAAGCCAGCCTGAAACTTGCCTCCAGATGACTGCTGTCTGATAC  
**GTA**A

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_011056  
**Insert Size:** 2244 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="#">NM_011056.3</a> , <a href="#">NP_035186.1</a>
<b>RefSeq Size:</b>	7049 bp
<b>RefSeq ORF:</b>	2244 bp
<b>Locus ID:</b>	238871
<b>UniProt ID:</b>	<a href="#">Q01063</a>
<b>Cytogenetics:</b>	13 59.69 cM
<b>Gene Summary:</b>	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes.[UniProtKB/Swiss-Prot Function]