

## Product datasheet for **MC221083**

### **Pde4b (NM\_019840) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pde4b (NM_019840) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pde4b
Synonyms:	Dpde4; dunce; R74983
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221083 representing NM\_019840  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACAGCAAAAAATTCTCCAAAAGAATTTACTGCTTCGGAATCTGAGGTTTGCATAAAGACTTTCAAGG  
 AGCAGATGCGCTTGAACCTTGAAGCTTCCAAAGCTACCAGGAAACAGACCTACATCTCCAAAAATTTCTCC  
 ACGCAGTTCACCAAGGAATTCACCATGCTTTTTTCAGAAAGTTGCTGGTGAATAAAAGCATCCGACAGCGG  
 CGTCGCTTACGGTGGCTCATACATGCTTTGATGTGAAAATGGCCCTTCTCCAGGTCGGAGCCCACTGG  
 ACCCTCAAGCCGGCTCTTCGTCGGGACTGGTACTTCATGCCGCCTTTCTGGGCACAGCCAGCGCAGGGA  
 GTCGTTCTCTACAGATCTGACAGCGACTATGACTTGTCAACAAAAGCGATGTCCAGGAACCTCATCACTT  
 CCCAGTGAGCAACACGGCGATGACCTGATTGTCACTCCTTTGCCAGGTTCTTGCCAGCTTGCAGAGTG  
 TAAGAAACAACCTCACCCCTGCTGACGAACCTTCATGGAGCGCCGAACAAGAGGTCACCAGCGGCTAGTCA  
 GGCTCCAGTCTCCAGAGTCAGCTGCAAGAAGAATCATATCAGAAACTAGCAATGGAGACGCTGGAGGAA  
 CTAGACTGGTGCCTAGACCAGCTAGAGACCATCCAGACCTACCGCTCTGTGAGCGAGATGGCTTCAAACA  
 AGTTCAAAGGATGCTGAACCGGGAGCTGACACACCTCTCAGAGATGAGCAGATCAGGGAACCGGTGTC  
 TGAGTACATTTCAAACACGTTCTTAGACAAGCAGAACGATGTGGAAATCCCATCTCCACGCAGAAGGAC  
 AGGGAGAAGAAGAAGCAGCAGCTCATGACCCAGATAAGTGGAGTGAAGAAACTGATGCACAGCTCAA  
 GCCTGAACAACACAAGCATCTCACGCTTCGGAGTCAACACGAAAATGAGGATCATCTAGCCAAGGAGCT  
 GGAAGACCTGAACAAATGGGGCCTTAACATCTTCAATGTGGCTGGTACTCACATAATCGGCCCTTACG  
 TGCATCATGTATGCAATATCCAGGAAAGAGACCTTCTGAAGACGTTTAAATCTCATCTGACACCTTTG  
 TAACTCATGATGACTTTAGAAGACCATTACCATTCTGATGTGGCATATCACAACAGCCTGCATGCTGC  
 TGACGTGGCCAGTCAACTCACGTTCTCCTTTCTACGCCGCACTGGATGCTGTCTTACAGACCTGGAA  
 ATCCTGGCTGCCATTTTGCAGCTGCCATCCATGATGTCGATCATCCTGGAGTCTCCAATCAGTTTCTCA  
 TCAATACAAATCTGAACCTGCTTTGATGTATAATGATGAATCTGTTCTGGAAAACCATCACCTGCTGT  
 GGGATTCAAATGCTACAAGAGGAACACTGCGACATCTTTCAGAACTTACCAAGAAGCAACGCCAGACA  
 CTCAGGAAAATGGTGATTGACATGGTGTGGCAACTGATATGTCCAAACACATGAGCCTCCTGGCAGACC  
 TTAACAATGGTAGAAACCAAGAAGGTGACAAGCTCCGGTGTCTCCTCCTGGACAACATACTGACCG  
 GATACAGGTTCTTCGCAACATGGTACACTGTGCAGACCTGAGCAACCCCAAGTCTTGAATGAT  
 CGCAATGGACCGATCGATCATGGAGGAGTTTTCCAGCAGGGAGACAAAGAACGGGAGAGGGGAATGG  
 AGATTAGCCCAATGTGTGATAAGCACACAGCTTCTGTGAAAAATCCCAGTTGGTTTCATTGACTACAT  
 TGTCATCCACTGTGGGAGACCTGGGCAGACCTGGTTCAACCGGATGCTCAAGATATTCTGGATACACTA  
 GAAGATAACAGGAACCTGGTACCAGAGTATGATACCCAGAGCCCTTCCCAGCCACTGGATGAGAGGAGCA  
 GGGACTGCCAAGGCCTGATGGAGAAGTTTCAGTTTGAACCTGACCTTGAGGAAGAGGATTCTGAGGGACC  
 GGAAAAGGAGGGAGAAGGCCACAGCTATTTTCAGCAGCACAAAGACGCTTTGTGTGATTGATCCAGAGAAC  
 AGGGATTCTCTGGAAGAGACTGACATAGACATTGCAACAGAAGACAAGTCTCCGATCGACACA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_019840

**Insert Size:** 2166 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).

<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>	<u><a href="#">NM_019840.2</a></u> , <u><a href="#">NP_062814.2</a></u>
<b>RefSeq Size:</b>	4371 bp
<b>RefSeq ORF:</b>	2166 bp
<b>Locus ID:</b>	18578
<b>Cytogenetics:</b>	4 46.99 cM