

## Product datasheet for **MR224845**

### **Pde4b (NM\_001177980) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pde4b (NM_001177980) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pde4b
Synonyms:	Dpde4; dunce; R74983
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR224845 representing NM\_001177980  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGGAGCAAGGGGGACCGTCAGTGGCGCCGCGAGCAGCCGAGGTGGAGGAGACTCGGCTATGGCCA  
 GCCTGCAGCCACTGCAGCCTAACTACCTGTCTGTGTGTTGTTTCCAGAAGAATCATATCAGAACTAGC  
 AATGGAGACGCTGGAGGAAGTACTGCTGCTAGACCAGCTAGAGACCATCCAGACCTACCGCTCTGTC  
 AGCGAGATGGCTTCAAACAAGTTCAAAGGATGCTGAACCGGGAGCTGACACACCTCTCAGAGATGAGCA  
 GATCAGGGAACAGGTGTCTGAGTACATTTCAAACACGTTCTTAGACAAGCAGAACGATGTGAAATCCC  
 ATCTCCCACGCAAGGACAGGGAGAAGAAGAAGCAGCAGCTCATGACCCAGATAAGTGGAGTGAAG  
 AAAGTATGCACAGCTCAAGCCTGAACAACACAAGCATCTCACGTTCCGAGTCAACACGGAAAAATGAGG  
 ATCATCTAGCCAAGGAGCTGGAAGACCTGAACAAATGGGGCCTAACATCTTCAATGTGGCTGGTACTC  
 ACATAATCGGCCCTTACGTGCATCATGTATGCAATATCCAGGAAAGAGACCTTCTGAAGACGTTTAAA  
 ATCTCATCTGACACCTTTGTAACCTACATGATGACTTTAGAAGACCATTACCATTCTGATGTGGCATATC  
 ACAACAGCCTGCATGCTGCTGACGTGGCCAGTCAACTCACGTTCTCTTTCTACGCCGGCACTGGATGC  
 TGTCTTACAGACCTGGAAATCCTGGCTGCCATTTTTCGAGCTGCCATCCATGATGTCGATCATCTGGA  
 GTCTCCAATCAGTTTCTCATCAATACAAATTCTGAACTTGCTTTGATGTATAATGATGAATCTGTCTGG  
 AAAACCATCACCTTGCTGTGGGATTCAAATTGCTACAAGAGGAACACTGCGACATCTTTCAGAATCTTAC  
 CAAGAAGCAACGCCAGACACTCAGGAAAATGGTGATTGACATGGTGTGGCAACTGATATGTCCAAACAC  
 ATGAGCCTCCTGGCAGACCTTAAACAATGGTAGAAACCAAGAAGGTGACAAGCTCCGGTGTCTCCTCC  
 TGGCAACTATACTGACCGGATACAGTTCTTCGCAACATGGTACACTGTGCAGACCTGAGCAACCCAC  
 CAAGTCTTGGAAATTGTATCGGCAATGGACCGATCGTATCATGGAGGAGTTTTTCCAGCAGGGAGACAAA  
 GAACGGGAGAGGGGAATGGAGATTAGCCCAATGTGTGATAAGCACACAGCTTCTGTGAAAAATCCAGG  
 TTGGTTTCATTGACTACATTGTCCATCCACTGTGGGAGACCTGGGAGACCTGGTTCAACCGGATGCTCA  
 AGATATTCTGGATACACTAGAAGATAACAGGAAGTGGTACCAGAGTATGATACCCAGAGCCCTTCCCCG  
 CCACTGGATGAGAGGAGCAGGGACTGCCAAGGCCTGATGGAGAAGTTTCAGTTTGAAGTACCCCTTGGG  
 AAGAGGATTCTGAGGGACCGAAAAGGAGGGAGAAGGCCAGCTATTTACAGCAGCACAAAGACGCTTTG  
 TGTGATTGATCCAGAGAACAGGGATTCTCTGGAAGAGACTGACATAGACATTGCAACAGAAGACAAGTCT  
 CCGATCGACACA

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR224845 representing NM\_001177980  
 Red=Cloning site Green=Tags(s)

MKEQGGTVSGAASSRGGDSAMASLQPLQPNYLSVCLFPEESYQKLAMETLEELDWCLDQLETIQTYRSV  
 SEMASNFKRMLNRELTHLSEMSRSGNQVSEYISNTFLDKQNDVEIPSPQKDREKQKQQLMTQISGVK  
 KLMHSSSLNNTSISRFGVNTENEDHLAKELEDLNKWLNI FNVAGYSHNRPLTCIMYAI FQERDLLKTFK  
 ISSDFTVYMMTLEDHYHSDVAYHNSLHAADVAQSTHVLLSTPALDAVFTDLEILAAIFAAA IHDVDHPG  
 VSNQFLINTNSELALMYNDESVLENHHLAVGFKLLQEEHCDFQNLTKKQRQTLRKMVIDMVLATDMSKH  
 MSL LADLKT MVETKKVTSSGVLLLDNYTDRIQVLRNMVHCADLSNPTKSLELYRQWTDRI MEFFQGDK  
 ERERGMEISPMCDKHTASVEKSQVGFIDYIVHPLWETWADLVQPDAQDILD TLEDNRN WYQSMIPQSPSP  
 PLDERSRDCQGLMEKQFEL TLEEEDSEGPEKEGEGHSYFSSTKTL CVIDPENRDSLEETDIDIATEDKS  
 PIDT

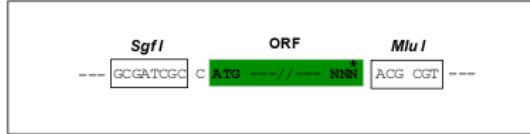
**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

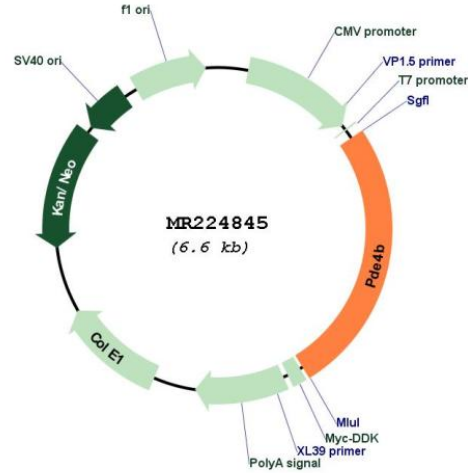
**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



ACCN: NM\_001177980  
 ORF Size: 1692 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001177980.1</a> , <a href="#">NP_001171451.1</a>
<b>RefSeq Size:</b>	4206 bp
<b>RefSeq ORF:</b>	1695 bp
<b>Locus ID:</b>	18578
<b>Cytogenetics:</b>	4 46.99 cM
<b>MW:</b>	64.8 kDa