

## Product datasheet for **MG224769**

### **Pde4b (NM\_019840) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pde4b (NM_019840) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pde4b
Synonyms:	Dpde4; dunce; R74983
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG224769 representing NM\_019840  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACAGCAAAAAATTCTCCAAAAGAATTTACTGCTTCGGAATCTGAGGTTTGCATAAAGACTTTCAAGG  
 AGCAGATGCGCTTGAACCTTGAAGCTTCCAAAGCTACCAGGAAACAGACCTACATCTCCAAAAATTTCTCC  
 ACGCAGTTCACCAAGGAATTCACCATGCTTTTTTCAGAAAGTTGCTGGTGAATAAAAAGCATCCGACAGCGG  
 CGTCGCTTACGGTGGCTCATACATGCTTTGATGTGAAAATGGCCCTTCTCCAGGTCGGAGCCCACTGG  
 ACCCTCAAGCCGGCTCTTCGTCGGGACTGGTACTTCATGCCGCCTTTCTGGGCACAGCCAGCGCAGGGA  
 GTCGTTCTCTACAGATCTGACAGCGACTATGACTTGTACCAAAAAGCGATGTCCAGGAACCTCATCACTT  
 CCCAGTGAGCAACACGGCGATGACCTGATTGTCACTCCTTTTGCCAGGTTCTTGCCAGCTTGCGAAGTG  
 TAAGAAACAACCTCACCCCTGCTGACGAACCTTCATGGAGCGCCGAACAAGAGGTCACCAGCGGCTAGTCA  
 GGCTCCAGTCTCCAGAGTCAGCCTGCAAGAAGAATCATATCAGAAACTAGCAATGGAGACGCTGGAGGAA  
 CTAGACTGGTGCCTAGACCAGCTAGAGACCATCCAGACCTACCGCTCTGTGAGCGAGATGGCTTCAAACA  
 AGTTCAAAGGATGCTGAACCGGGAGCTGACACACCTCTCAGAGATGAGCAGATCAGGGAACCGGTTGTC  
 TGAGTACATTTCAAACACGTTCTTAGACAAGCAGAACGATGTGGAAATCCCATCTCCACGCAGAAGGAC  
 AGGGAGAAGAAGAAGAAGCAGCAGCTCATGACCCAGATAAGTGGAGTGAAGAAACTGATGCACAGCTCAA  
 GCCTGAACAACACAAGCATCTCACGCTTCGGAGTCAACACGGAATAAGGATCATCTAGCCAAGGAGCT  
 GGAAGACCTGAACAAATGGGGCCTTAACATCTTCAATGTGGCTGGTACTCACATAATCGGCCCTTACG  
 TGCATCATGTATGCAATATTCAGGAAAGAGACCTTCTGAAGACGTTTAAAATCTCATCTGACACCTTTG  
 TAACCTACATGACTTTAGAAGACCATTACCATTCTGATGTGGCATATCACAACAGCCTGCATGCTGC  
 TGACGTGGCCAGTCAACTCACGTTCTCCTTTCTACGCCGCACTGGATGCTGTCTTACAGACCTGGAA  
 ATCCTGGCTGCCATTTTTGCAGCTGCCATCCATGATGTCGATCATCCTGGAGTCTCCAATCAGTTTCTCA  
 TCAATACAAATCTGAACCTGCTTTGATGTATAATGATGAATCTGTTCTGGAAAACCATCACCTTGTCTGT  
 GGGATTCAAATGCTACAAGAGGAACACTGCGACATCTTTCAGAACTTACCAAGAAGCAACGCCAGACA  
 CTCAGGAAAATGGTATTGACATGGTGTGGCAACTGATATGTCCAAACACATGAGCCTCCTGGCAGACC  
 TTAACAATGGTAGAAACCAAGAAGGTGACAAGCTCCGGTGTCTCCTCCTGGACAATACTGACCG  
 GATACAGGTTCTTCGCAACATGGTACACTGTGCAGACCTGAGCAACCCCAAGTCTTGGAAATGAT  
 CGGCAATGGACCGATCGTATCATGGAGGAGTTTTTCCAGCAGGGAGACAAAGAACGGGAGAGGGGAATGG  
 AGATTAGCCCAATGTGTGATAAGCACACAGCTTCTGTGAAAAATCCCAGTTGGTTTCATTGACTACAT  
 TGTCCATCCACTGTGGGAGACCTGGGCAGACCTGGTTCAACCGGATGCTCAAGATATTCTGGATACTA  
 GAAGATAACAGGAACTGGTACCAGAGTATGATACCCAGAGCCCTTCCCAGCCACTGGATGAGAGGAGCA  
 GGGACTGCCAAGGCTGATGGAGAAGTTTCAGTTTGAACCTGACCTTGGAGGAGGATTCTGAGGGACC  
 GGAAAAGGAGGGAGAAGGCCACAGCTATTTCCAGCAGCACAAGACGCTTTGTGTGATTGATCCAGAGAAC  
 AGGGATTCTTGAAGAGACTGACATAGACATTGCAACAGAAGACAAGTCTCCGATCGACACA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG224769 representing NM\_019840  
Red=Cloning site Green=Tags(s)

```
MTAKNSPKEFTASESEVCIKTFKEQMRLELELPKLPGNRPTSPKISPRSSPRNSPCFFRKLKLVNKSIRQR
RRFTVAHTCFDVENGPSPGRSPLDPQAGSSSSLVLHAAFPGHSQRRESFLYRSDSDYDLSPKAMSRNSSL
PSEQHGDDLIVTPFAQVLASLRVNRNFTLLTNLHGAPNKRSPAASQAPVSRVSLQEEASYQKLAMETLEE
LDWCLDQLETIQTYRSVSEMASNFKRMLNRELTHLSEMSRSGNQVSEYISNTFLDKQNDVEIPSPTQKD
REKKKKQQLMTQISGVKMLMHSSSLNNTSISRFGVNTENEDHLAKELEDLNKRWGLNIFNVAGYSHNRPLT
CIMYAIQERDLLKTFKISSDTFVTYMMTLEDHYHSDVAYHNSLHAADVAQSTHVLLSTPALDAVFTDLE
ILAAIFAAAIHDVDHPGVSNQFLINTNSELALMYNDESVLENHHLAVGFKLLQEEHCDIFQNLTKKQRQT
LRKMVIDMVLATDMSKHMSSLLADLKTVMETKKVTSVGLLLDNYTDRIQVLRNMVHCADLSNPTKSELEY
RQWTRIMEEFFQQGDKERERGMEISPMCDKHTASVEKSQVGFIDYIVHPLWETWADLVQPAQDILDTL
EDNRNWFQSMIPQSPSPPLDERSRDCQGLMEKFQFELTLEEDSEGPEKEGEGHSYFSSTKTLCLVIDPEN
RDSLEETDIDIATEDKSPIDT
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_019840

**ORF Size:** 2163 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**
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:** [NM\\_019840.2](#), [NP\\_062814.2](#)

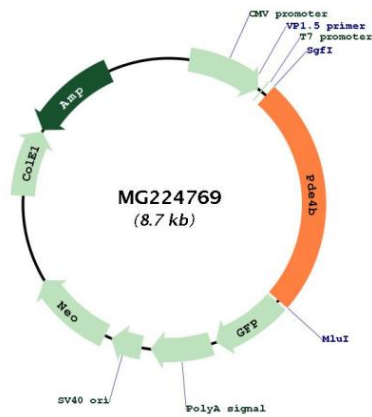
**RefSeq Size:** 4371 bp

**RefSeq ORF:** 2166 bp

**Locus ID:** 18578

**Cytogenetics:** 4 46.99 cM

**Product images:**



Circular map for MG224769