

## Product datasheet for **MC218216**

### **Pde1b (BC058531) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pde1b (BC058531) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pde1b
Synonyms:	Pde1b1, 63kDa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC058531  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCTGTCCCCCGCAGTCCTCCAGAGATGCTGGAGTCGGATTGCCCGTCACCCCTGGAGCTGAAGT  
 CAGCCCCAGCAAGAAAATGTGGATTAAGCTACGGTCTCTGCTGCGCTACATGGTGAAGCAGTTGGAGAA  
 TGGGGAGGTTAACATCGAGGAGCTGAAGAAAACCTGGAATACACAGCTTCCCTGCTGGAAGCTGTCTAC  
 ATTGATGAGACAAGGCAAATCCTAGACACTGAAGATGAGCTTCGGGAACCTCGGTGAGATGCTGTGCCTT  
 CAGAGGTGCGGGACTGGTTGGCTCCACCTTACCACAGCAGACCCGAGCCAAAGGTCGCAGGGCAGAAGA  
 GAAACCAAGTCCGAAGCATCGTGCATGCTGTGCAGGCTGGGATCTTCGTGGAGCGGATGTTCCGGAGA  
 ACGTATACCTCTGTGGGCCCCACATACTACTGCAGTCCACAACCTGTCTCAAGAACCTGGACCTCTGGT  
 GCTTTGATGTCTTTTCTTGAACCGGGCAGCCGATGACCAGCTCTGAGGACCATTGTTTTTGGATTGCT  
 GACTCGGCATAGCCTCATCAGCCGCTTAAAGATCCCACAGTGTCTCTGATGAGTTTTCTGGAGGCCTTG  
 GAGACAGGCTATGGGAAATATAAGAATCCTTACCACAACCGATCCACGACCGGACGTGACCCAGACTG  
 TCCATTGCTTCTTCTCCGCACAGGCATGGTGCCTGTGAGAGATTGAGGCTTGGCCATCATCTT  
 TGCTGCAGCCATCCATGACTATGAGCACACAGGCACAACCAACAGCTTCCACATTCAGACCAAGTCAGAA  
 TGTGCCATCCTGTACAATGATCGATCGGTGCTGGAGAATCACCACATCAGCTCTGTCTTTTCAATGATGC  
 AGGATGATGAGATGAACATTTTTATCAATCTCACCAAGGATGAATTTGCAGAGCTGCGGGCCCTGGTTAT  
 CGAGATGGTGTGGCCACAGACATGCTCTGCCATTTCCAGCAAGTGAAGACTATGAAGACAGCACTGCAG  
 CAGTTGGAAGGATTGACAAGTCCAAGGCCCTATCTTCTGCTTCATGCTGCTGACATCAGCCACCCAA  
 CTAAGCAGTGGTCAGTCCACAGCCGCTGGACCAAGGCCCTAATGGAAGAGTTCTTCCGCCAGGTGACAA  
 GGAGGCAGAGCTGGGCCCTGCCCTTCTCTCCAATCTGTGATCGCACTTCCACATTGGTGGCCAGTCCAG  
 ATAGGTTTCATTGACTTCATTGTGGAGCCAACCTTCTCTGTGCTGACTGATGTGGCAGAAAAGAGTGCC  
 AGCCCTTGGCAGATGATGATTCCAAGCCTAAAAGTCAGCCAGGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** BC058531

**Insert Size:** 1377 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).

**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: [BC058531](#), [AAH58531](#)  
RefSeq Size: 4233 bp  
RefSeq ORF: 1376 bp  
Locus ID: 18574  
Cytogenetics: 15 F3  
Gene Summary: Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Has a preference for cGMP as a substrate (By similarity).[UniProtKB/Swiss-Prot Function]