

Product datasheet for **RN205735**

Pde1b (NM_022710) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde1b (NM_022710) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pde1b
Synonyms:	Aop2; Pde1b1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205735 representing NM_022710
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCTGTCCCCCGCAGTCCTCCAGAGATGCTGGAGTCGGATTGCCCGTCACCCCTGGAGCTGAAGT
CAGCCCCCAGCAAGAAGATGTGGATTAAGCTACGGTCTCTGCTGCGCTACATGGTGAAGCAGTTGGAGAA
TGGGGAGGTTAACATCGAGGAGCTGAAGAAAACTGGAATACACAGCTTCCCTGCTGGAAGCTGTCTAC
ATTGATGAGACAAGGCAAATCTTGGACTGAAGATGAGCTTCGGGAACCTCGGTGAGATGCCGTGCCTT
CAGAGGTGCGGGACTGGCTGGCTCCACCTTACCACAGCAGACCCGAGCCAAAGGTCGCAGGGCAGAAGA
GAAACCAAGTCCGAAGCATTGTGCACGCTGTGCAGGCTGGGATCTTCGTGGAGCGGATGTTCCGGAGA
ACGTATACCGCTGTGGTCCCACGTATTCTACTGCAGTCCACAAGTGTCTCAAGAACCTGGAGCTGTGGT
GCTTCGATGTCTCTCTTTGAACCGGGCAGCTGATGACCAGCTCTGAGGACCATTGTTTTGAGTTGCT
GACTCGGCATAGCCTCATCAGCCGTTCAAGATCCCACAGTGTCTCTGATGAGTTTTCTGGAGGCCTTA
GAGACAGGCTACGGGAAATATAAGAACCCTTACCACAACCAGATCCATGCCGCTGACGTGACCCAGACTG
TCCATTGCTTCTGCTCCGCACAGGCATGGTGCCTGTGCTGAGAGATTGAGGTCTTGGCCATCATCTT
CGCGGCAGCCATCCATGACTATGAGCACACAGGCACAACCAACAGCTTCCACATCCAGACCAAGTCAGAA
TGCGCCATCCTGTACAATGACCGATCGGTGCTGGAGAAATCACCACATCAGCTCTGTTTTCCGAATGATGC
AGGATGATGAGATGAACATTTTTATCAATCTCACCAAGGATGAATTCGTAGAGCTGCGGGCCCTGGTCAT
TGAGATGGTGTAGCCACAGACATGTCTGCCATTTCCAGCAAGTGAAGACTATGAAGACAGCCCTGCAG
CAGCTTGAAGGATTGACAAATCCAAGGCCCTGTCTCTTCTGCTCATGCTGCTGACATCAGCCACCCAA
CCAAGCAGTGGTCAGTCCACAGCCGCTGGACCAAGGCCCTAATGGAAGAGTTCTTCCGCCAGGGTGACAA
GGAGGCAGAGCTGGGCTTGCCCTTCTCCTCACTCTGTGACCGCACCTCCACATTGGTGGCCAGTCCCAG
ATAGGTTTCATTGACTTCATTGTGGAGCCACCTTCTCTGTGCTGACTGATGTGGCAGAAAAGAGTGTCC
AGCCCTTGACAGATGATGATTCCAAGTCTAAAAGTCAAGCCAGCTTCCAGTGGCGCCAGCCTTCTTTAGA
TGTGGACGTAGGAGACCCCAACCCTGATGTGGTCAAGTTCCGCTCCACCTGGACCAAGTACATTCAAGAG
AATAAACAGAAGTGAAGGAACGGGCAGCGAGTGGCATCACCAACCAGATGTCCATTGATGAACTGTCCC
CCTGTGAGGAAGAAGCCCATCTCCCTGCAGAAGATGAGCACAACCAGAATGGGAATCTGGATTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1430_e05.zip

Restriction Sites: SgfI-MluI

ACCN: NM_022710

Insert Size: 1608 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: [NM_022710.1](#), [NP_073201.1](#)

RefSeq Size: 1831 bp

RefSeq ORF: 1608 bp

Locus ID: 29691

UniProt ID: [Q01066](#)

Cytogenetics: 7q36

Gene Summary: phosphodiesterase isozyme that catalyzes the calmodulin dependent hydrolysis of cGMP; expressed in brain [RGD, Feb 2006]