

Product datasheet for **RN212437**

Pde7b (NM_080894) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde7b (NM_080894) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pde7b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212437 representing NM_080894
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTTGTTTAAATGTTGAGAGGTGTGGCGAAGTCTTGTGTTGAGAATCCTGAGCAGAATGTCAAATGTG
 TTTGCATGCTAGGAGATGTACGACTAAGGGGTGACACGGGGTTCTGCCGAACGCCGCGGCTCCTACCC
 GTTCATTGACTTCCGTCTACTTAAACAATAACAACACTCAGGGGAAATTGGCAGCAAGAAAAAGGTGAGG
 AGACTGTTAAGTTTCAAAGGCACCTTCCATGAATCTAGGCTGCTCCGGGGATGACACCGCAGGCCCCCC
 TCCACCTGCTGGACGAAGACTACCTTGGACAAGCAAGGCATATGCTCTCAAAGTTGGAATGTGGGACTT
 TGACATTTTCTTGTGATCGTTGACAAATGGGAACAGTCTGGTAACTCTGTTGTGTCACCTCTTCAAC
 TCCCATGGACTCATCCACATTTCAAGCTTGACATGGTGACCTTACACAGTTTTTGGTTATGGTTCAGG
 AAGATTACCACGCCACAACCCGTACCACAATGCTGTTTCATGCAGCTGACGTACCCAGGCCATGCACTG
 TTAATTGAAGGAGCCAAAGTTGGCGAGCTTCTCACACCTCTGGACATCATGCTTGGACTATTGGCTGCA
 GCAGCTCATGACGTGGACCACCCAGGGTGAACAGCCATTTTTGATCAAACCTAACACCACCTTGCCA
 ACTTGTATCAGAACATGTCCGACTGGAGAATCACCCTGGCGGTCTACAATCGGCATGCTTCGGGAATC
 AAGGCTCCTTGCTCATTGCAAAGGAAATGACACAGGATATCGAACAGCAGCTGGGCTCCCTGATCTTG
 GCCACGGACATCAACAGACAGAATGAGTTCTGACCCGCTTAAAAGCTCACCTCCACAATAAGGATTTGA
 GACTGGAAAATACAGGACAGACACTTATGCTTCAGATCGCCTTGAAGTGGCTGACATTTGCAATCC
 TTGTCGAATCTGGGAGATGAGCAAGCAGTGGAGTAAAGAGTCTGCGAAGAATTCTACAGGCAAGGTGAC
 CTTGAACAGAAGTTTGAAGTGAATCAGTCTCTTTGTAATCAACAGAAAGATTCAATCCCTAGCATA
 AAATTGGTTTTCATGACTTACATCGTGGAGCCACTGTTCCGGGAGTGGGCCGTTCACTGGGAACAGCAG
 CCTGTGCGAGAGCATGCTAAACCATCTCGCGCACAAACAAAGCCAGTGGAAAGGCCTGCTGTCCAATCAG
 CACAGACGAGGGGACGGCCAGGACCCAGCGGGCACGGCGCTGAGACCTGGAGCAGACAGAAGGCG
 CCACGCCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1912_h11.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_080894

Insert Size: 1341 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:	<ol style="list-style-type: none">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:	<u>NM_080894.1</u> , <u>NP_543170.1</u>
RefSeq Size:	1753 bp
RefSeq ORF:	1341 bp
Locus ID:	140929
Cytogenetics:	1p12
Gene Summary:	catalyzes the conversion of adenosine 3',5'-cyclic phosphate to adenosine 5'-phosphate [RGD, Feb 2006]