

Product datasheet for **RN205789**

Pde4b (NM_017031) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde4b (NM_017031) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pde4b
Synonyms:	PDE4/IVb; Pde4B1; Pde4B2; Pde4B3; Pde4B4; Pde4b5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205789 representing NM_017031
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGCAAAAAATTCTTCCAAGAAGCTTCCAGCTTCTGAATCTGAGGTTTGCATAAAGACTTTCAAGG
 AGCAGATGCGCTTGAACCTTGAAGCTTCCAAGCTACCAGGAAACAGACCTACATCTCCAAAAATTTCTCC
 ACGCAGTTCACCAAGGAATTCACCATGCTTTTTAGAAAGTTGCTGGTGAATAAAAGCATCCGACAGCGG
 CGTCGCTTCACTGTGGCTCATACATGCTTTGATGTGAAAATGGCCCTTCTCCAGGTCGGAGCCCACTGG
 ACCCTCAAGCCAGCTCTTCTCAGGACTGGTACTTTCATGCCGCTTCCCTGGGCACAGCCAAACGCAGAGA
 GTCTTTTCTCTACAGATCCGACAGCGACTATGACTTGTCAACAAAAGCGATGTCAAGGAACCTCTCACTT
 CCCAGCGAACAACACGGCGATGACCTGATTGTCACTCCTTTGCCAGGTTCTTCCAGCTTGGCAATCG
 TAAGAAACAATTTACCCTGCTGACAACTTCCAGGAGCACGAACAAGAGGTCGCCAGCGGCTAGTCA
 GGCTCCAGTACCAGAGTCAGCTGCAAGAAGAATCATATCAGAACTAGCAATGGAGAGCTGGAGGAA
 CTAGACTGGTGCCTAGACCAGCTAGAGACCATCCAGACCTACCGCTCTGTGAGCGAGATGGCTTCAAACA
 AGTTCAAAGGATGCTGAACCGGAGCTGACACACCTCTCAGAGATGAGCAGATCAGGGAACCAAGTGTG
 TGAATACATTTTGAACACGTTCTTAGACAAGCAGAACGATGTGAAAATCCCATCTCCACCAGAAAGGAC
 AGGGAGAAGAAGAAGCAGCAGCTCATGACCCAGATAAGTGGAGTGAAGAACTGATGCACAGCTCAA
 GCCTGAACAACAAGCATCTCACGCTTTGGAGTCAACACGAAAATGAGGATCATCTAGCCAAGGAGCT
 GGAAGACCTGAACAAATGGGCTTAAACATCTTCAACGTGGTGGTACTCCATAATCGGCCCTCACA
 TGCATCATGTACCCATTTTCCAGGAAAGAGACCTTCTAAAGACGTTTAAATCTCCTCCGACACCTTCC
 TAACTACATGACTTTAGAAGACCTTACCATTCTGATGTGGCGTATCACAACAGCTGCACGCTGC
 TGACGTGGCCAGTCAACGCACGTTCTCCTCTCTACGCCAGCACTGGATGCTGTCTTCCAGACCTGGAA
 ATCCTGGCTGCCATTTTGCAGCTGCCATCCATGATGTTGATCATCCTGGAGTCTCCAATCAGTTTCTCA
 TCAATACAAATTCGAACCTTGTCTTGTATAATGACGAATCTGTGCTGAAAACCATCACCTCGCTGT
 GGGATTCAAGCTCCTTCAAGAGGAACATTGCGACATCTTTCAGAACTTACCAAGAAGCAACGCCAGACA
 CTCAGGAAAATGGTATTGACATGGTGTAGCAACTGATATGTCCAAGCAGATGAGCCTCCTGGCTGACC
 TTTAAACGATGGTAGAAACCAAAAAGGTGACGAGCTCCGGTGTCTCCTCCTGGACAATACTGACCG
 GATACAGGTTCTTCGCAACATGGTACATTTGTCAGACCTGAGCAACCTACCAAGTCTTGGAGTTGTAT
 CGCAATGGACTGATCGCATCATGGAGGATTTTTCCAACAGGGAGACAAAGAACGGGAGAGGGGAATGG
 AGATTAGCCCAATGTGTATAAACACACAGCTTCTGTGAAAAGTCCCAGTTGGTTTCATTGACTACAT
 TGTCCATCCATTGTGGGAGACCTGGGCAGACCTGGTTCAGCCTGATGCTCAAGACATTTTGGACACACTA
 GAAGATAACAGGAACTGGTACCAGAGTATGATTTCCCAGAGCCCTCTCCACCCTGGACGAGAGGAGCA
 GGGACTGCCAAGGCTTATGGAGAAGTTTCAGTTCAACTGACCTTGAAGAAGAGGATTCTGAAGGACC
 GGAAAAGGAGGGAGAAGGCCCAACTATTTCCAGCAGCACAAGACACTTTGTGTGATCGATCCAGAGAAC
 AGGGATTCTCTGGAAGAGACTGACATAGACATTGCCACAGAAGACAAGTCTCTGATCGACACA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017031

Insert Size: 2166 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:	<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_017031.2</u> , <u>NP_058727.2</u>
RefSeq Size:	3133 bp
RefSeq ORF:	2166 bp
Locus ID:	24626
UniProt ID:	<u>P14646</u>
Cytogenetics:	5q33
Gene Summary:	contains four isoforms expressed from the same gene; isoform Pde4b4 has cAMP specific phosphodiesterase activity and is inhibited by rolipram [RGD, Feb 2006]