

Product datasheet for **RN208512**

Pde8b (NM_199268) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde8b (NM_199268) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pde8b
Synonyms:	RNPDE8B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208512 representing NM_199268
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGACTGACACAGGACCCATCCAGGTCCTGCTGATCTTTGCAAAGAAGATAGCCAGAGCGATGGCT
 TCTGGTGGGCTTGTGACAGAGCTGGCTACAGATGCAACATTGCTCGAACTCCAGAGTCGGCCCTCGAATG
 CTTTCTGGATAAGCATCATGAGATTATAGTGATCGATCACAGGCAGACCCGTAACCTTTGATGCGAAGCC
 GTGTGCAGGTCAATCCGGGCCACGAACCCCTCTGAGCACACAGTGATCCTGGCTGTGGTTTCACAAGCAT
 CTGATGACCATGAAGAGGCTCGGTCTTCTCTTCTCCATGCAGGCTTTAACGGAGATTTATGGAGAA
 CAGCAGCATAATTGCTTGTATAATGAAGTCAATAGAACACGGGGAAGTTCGCTCGCAGTTCAAA
 TTACGGGCTGTAAGTCAAGTGTACAGCGTTAGACCACTGTACGAAGCCATAGAAATAACAAGTGATG
 ACCACGTGATTCAGTATGTCAACCTGCCTTTGAGAGGATGATGGGCTACCACAAAGGGGAGCTCCTGGG
 GAAGAACTCGCTGACCTACCTAAGAGTGACAAGAACCGGGCAGACCTCCTGGACACCATCAACACGTGC
 ATCAAGAAGGAAAGGAGTGGCAGGGGTTACTATGCCAGACGGAAATCCGGGGACAGCATCCAACAGC
 ACGTGAAGATCACCCAGTGATTGGCCAAGGAGGAAAATTAGGCACTTTGTCTCCCTCAAGAAGCTGTG
 CTGTACCACTGACAGTAGCAAGCAGATCCACAGGATTCATCGCGATTCGGGAGACAACTCTCAGACAGAG
 CCTCATTCTGTTACAGACACAAGAGCAGGAGAAAAGAGTCCATTGATGTGAAATCAATATCTTCTCGAGGCA
 GTGATGCGCCAAGCCTACAGAATCGCCGCTACCCCTCCATGGCAAGGATCCACTCCATGACCATTGAGGC
 CCCCATCAAAAGGTTATAAATAAATCAACGCCGCTCAAGAAAACAGCCAGTTACAGTGGCAGAAGCC
 TTGGACAGAGTTCTAGAAATTTACGGACCACAGAAGTACTCCCGCAGCTGGGAACCAAGGACGAAG
 ATCCTCACACCAGTGACCTTGTGCGAGGCTGATGACCGATGGCTTGAGGAGACTGTCAGGGAATGAGTA
 CGTGTTTACAAAAGAAATGTGCACCACAGTACAGTACCTCTCGATGCCCATCACCATCAACGATGTCCCC
 CCAAGTATTGCCAGCTCCTTGATAATGAGGAAAGTTGGGACTTCAACATCTTTGAATTGGAAGCTATTA
 CACATAAAAGGCCACTTGTGTACCTGGGCTTAAAGGCTTCTCTCGGTTTGGAGTATGTGAATTTTAA
 CTGTACCGAAACCACTTTCGGGCTGGCTGCAAGTATTGAAGCAAACTACCACTCCTCCAATGCCTAC
 CAACTCCACCCATGCCGCCGACGTACTGCACGCCACGGCTTCTTCTTGGAAAGGAAAGAGTGAAGG
 GAAGCCTGGACAGCTGGATGAGGTGGCGGCTCTGATTGCAGCCACGGTGCATGACGTGGATCACCCCGG
 AAGAACCAACTCCTTCTGTGTAACGCAGGCAGCGAGCTCGTGTGCTCTACAACGACACTGCGGTCTTG
 GAGAGTACCACACAGCCCTGGCCTTCCAGCTCACCGTCAAGGACACCAAGTGAACATTTTCAAGATA
 TCGACAGGAACCACTATCGAACGCTGCGCCAGGCTATTATTGACATGGTTTTGGCCACAGAGATGACAAA
 ACATTTGAACATGTGAACAAGTTTGTGAACAGCATCAACAAGCCTCTAGCAGCCGAGAGTGAGGGCAGC
 GACTGTGAATGCAACCCTACTGGGAAGAACTTTCCCGAAAACCAATCCTCATCAAGCGTATGATGATTA
 AGTGTGCTGACGTGGCAACCCGTGCCGCCCTTGGACCTGTGCATCGAATGGGCTGGAAGGATCTCCGA
 GGAGTACTTTGCACAGACTGACGAAGAGAAGAGGCAGGGGCTGCCTGTAGTATGCCAGTGTTCGACCGC
 AATACCTGCAGCATCCCCAAGTCGCAGATATCCTTCATCGACTACTTCATAACAGACATGTTTGATGCTT
 GGGATGCCTTTGCACACCTGCCAGCCCTGATGCAACACCTGGCCGACAACATAAACACTGGAAGACACT
 GGATGACCTCAAGTGCAAAGTCTGAGACTTCCATCTAACAGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_199268
Insert Size: 2286 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:	NM_199268.1 , NP_954889.1
RefSeq Size:	2435 bp
RefSeq ORF:	2286 bp
Locus ID:	309962
Cytogenetics:	2q12
Gene Summary:	a cAMP-specific member of the PDE superfamily of cyclic nucleotide phosphodiesterases; involved in inhibition of intracellular cAMP signalling [RGD, Feb 2006]