

Product datasheet for **MC215983**

Pde7b (NM_013875) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pde7b (NM_013875) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pde7b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215983 representing NM_013875
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCTTGTTAATGGTTGAGAGGTGTGGCGAAGTCTTGTGGAGAGCCCTGAACAGAGTGTCAAATGTG
TTTGCATGCTAGGAGATGTACGACTAAGGGTCTAGCAGCGGGGTTCTGCCGAACCGCTGGCTCCTACCC
ATTCATTGACTTCGGTCTACTTAAACAATAACAACACTCAGGGGAAATTGGCACCAGAAAAGGTGAAA
CGACTGTTAAGTTTCCAAGATACTTCCATGCATCTAGGCTTCTCCGGGGATTATACCGAGGCCCTC
TCCACCTGCTGGATGAAGACTACCTTGGACAAGCAAGGCACATGCTCTCCAAAGTTGGAACGTGGGACTT
TGACATTTTCTGTTGATCGCTTGACAAATGGGAACAGTCTGGTAACTCTGTTGTGCACCTCTTCAAC
TCCCATGGGCTCATCCACCATTCAAGCTCGATATGGTGACCTTGACAGGTTTCTGGTTATGGTTCAGG
AAGATTACCACGGTCACAACCCATACCACAATGCTGTTACGCAGCCGACGTACCCAGGCCATGCACTG
TTACCTGAAGGAGCCAAAGTTGGCAAGCTTCTCACACCTCTGGACATCATGCTTGGACTACTGGCTGCA
GCAGCTCATGACGTGGACCACCCAGGGTCAACCAGCCATTTTGTGATCAAACTAACCACCATCTTGCCA
ACCTGTATCAGAATATGTCTGTACTGGAGAATCACCAGTGGCGATCTACAATTGGCATGCTTCGAGAATC
ACGGCTCCTGGCTCACTTGCCAAAGGAAATGACACAGGATATCGAACAGCAGCTGGGCTCCCTCATCTTG
GCCACGGATATCAACAGACAGAATGAGTTTCTGACCCGCTTAAAAGCTCACCTCCACAATAAAGATTTGA
GACTGGAGAATGTACAGGACAGACACTTATGCTTCAAGTTCAGATCGCCTTGAAGTGTGCTGACATTTGCAATCC
TTGTGCTATCTGGGAGATGAGCAAGCAGTGGAGTGAAGGGTCTGTGAGGAATTCACAGACAAGGTGAC
CTTGAACAGAAGTTGAACTGGAATCAGTCTCTTTGTAATCAACAGAAAGATTCAATCCCTAGCATA
AAATTGGTTTCATGACTTACATCGTGGAGCCGCTGTTCCGGGAGTGGCCCGGTTACTGGGAACAGCAC
CCTGTCCGAGAACATGCTAAGCCATCTCGGCACAACAAGCCAGTGAAGAGCCTGCTGTCCAATCAG
CACAGACGAGGGCAGCGCCAGGACCTGGCGGGCCCGCACCTGAGACCCTGGAGCAGACAGAAGGTG
CCACGCCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_013875
Insert Size:	1341 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_013875.5 , NP_038903.3
RefSeq Size:	4127 bp
RefSeq ORF:	1341 bp
Locus ID:	29863
UniProt ID:	Q9QXQ1
Cytogenetics:	10 A3
Gene Summary:	<p>Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in the control of cAMP-mediated neural activity and cAMP metabolism in the brain.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and contains alternate exons in the 5' coding region, compared to variant 1. These differences cause translation initiation at an alternate start codon and result in an isoform (2) with a shorter and distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>