

Product datasheet for **MC216126**

Pde7a (NM_008802) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde7a (NM_008802) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pde7a
Synonyms:	AU015378; AW047537
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC216126 representing NM_008802
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAATCACTTTGATCTGGTGTCTGGCTTTGGTTCTGATCAAGTGGATCACCTCTAAGAGACGTGGAG
 CTATTTCCATGACAGTTCTGATCAGACTGCGTTATATATTCGTATGCTAGGAGATGTCCGCGTGAGGAG
 CCGAGCAGGATTTGAAACAGAAAGAAGAGGTTCCCATCCGTACATTGACTTCCGTATTTTCACTCTCAA
 TCTGACATTGAAGCATCAGTCTCCGCCAGGAACATCAGAAGGTTACTAAGTTTCCAGCGATATCTCAGAT
 CCTCACGAGTTTTTCGGGTGCCACAGTTTGTAGTTCTCTAGACATTTTAGATGAGGATTACAATGGACA
 AGCCAAGTGTATGCTGGAAAAAGTTGAAATTGGAATTTTGATATCTTTCTGTTTATAGACTAACAAAT
 GGAATAGTCTAGTAAGCCTAACCTTTCATTTATTTAGTCTTCATGGATTGATTGAGTACTTCCATTTAG
 ATATGGTGAACCTCCGTCGGTTTTAGTTATGATTCAAGAAGATTACCACAGTCAAAATCCTTACCACAA
 TGCAGTCCATGCTGCAGACGTTACTCAGCCATGCACTGTTACTTAAAGGAACCTAAGCTTGCCAGTTCT
 GCACTCCTTGGGATATCTTGTGAGTTAATTGCAGCCGCCACTCACGATCTGGATCACCCAGGTGTTA
 ATCAGCCGTTTCTTATTAACCAACCATTATCTAGCACTTTATACAAGAAATTCCTCAGTCTGGAGAA
 TCACCACTGGAGATCTGCAGTGGCTTGTAAAGAGAATCTGGTTTGTCTCACACTTGCCATTGGAAAGC
 AGGCAAGAGATGGAGGCTCAGATAGGTGCTTTGATATTAGCCACGGATATCAGTCGCCAGAACGAGTACC
 TGTCAATGTTTAGATCTCACTTGGATAAAGGTGACTTACACCTTGACGATGGCAGACATAGGCATTTGGT
 TCTACAGATGGCCTTGAATGTGCTGATTTTGTAAACCATGTCGGAACCTGGGAATTAAGCAAGCAGTGG
 AGTGAAAAAGTAACGGAGGAATCTTCCACCAAGGAGATATAGAAAAAAGTACCATTTGGGTGTGAGTC
 CACTTTGTGATCGTCAGACTGAGTCTATTGCCAACATCCAGATTGGTTTTATGACTTACCTAGTGGAGCC
 TTTATTTACAGAGTGGGCCAGTTTTTCAGACACACGGCTGTACAGACGATGCTTGGACATGTGGGGCTG
 AATAAAGCCAGCTGGAAGGGACTGCAGAGACAACAGCCAGCAGCAGGATGCCAATGCTGCATTTGAGT
 TGAACACAGTTACTAACTCAGGAAAATCGGTTATCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_008802

Insert Size: 1371 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_008802.3](#), [NP_032828.2](#)

RefSeq Size: 6028 bp

RefSeq ORF: 1371 bp

Locus ID: 18583

UniProt ID: [P70453](#)

Cytogenetics: 3 5.36 cM

Gene Summary: Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May have a role in muscle signal transduction (By similarity). [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter 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.