

Product datasheet for MC223711

Pde3a (NM_018779) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pde3a (NM_018779) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pde3a
Synonyms: A930022O17Rik; C87899
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223711 representing NM_018779
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGTGGGGGCGAGGCCGCCAAGACCTAGCCAAGCCGGGCTCGGAGGGGCGAGTCCCGCCCGTG
 TGGCAAGAGGGAACCAACCGCCATCGTGGCGAGTCTCTCCATCCCCTCGGGGCTCCGGCTGTTGTTGGAG
 AGCCCTGGCGCTGCAGCCGCTCCGGCGCTCGCCTCAACTCTCCTCGGCGTGTGCGGGGCTCCCTGTCC
 GTGCTGCTGGCGCTGCTGGTGAAGCTGGTGGCGGGGAGGTGGAGGCGAGCTGGAGAAGAGTCAAGGAGG
 CGGCGGCCGAGGAGGAGGAGGAGGAAGGAGCCGAGGGGGCGTCTTCCCGGGCCCTCGGGGAGGTGCTCC
 CGGGGGCGGCGCGCAGCTCAGCCCTTGGCTGCAGCCGGCCGCGCTGCTCTCAGTCTCCTGTGCGCCTTC
 TTCTGGATGGGCTTGTGCTGCTGCGCGCCGGGTGCGCCTGCCTTGGCCGTGCGCTGTTGGCCGCT
 GCTGCGCCGGGAAGCGCTGGTGCAGCTCTCTTGGGCGTGGGGACGGTCGCTGCTGCTGCTGCCCCG
 CGCGGGGTCTGCTCAGCTGCCTAGGTGGCGCAGATGGCTGGTGTGAGGCTGAGGCTGGGCGTCCCTC
 ATGGTGCCTGGACTAGCGTCTTAGGACGGTGGCCCTGGTTCTCTGGAGAGTTCAAGGTGCCTGGA
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 GCAGTGTCCGGCCGGCTCCGCCAGGAGCGGTTGGGTCCAGTTGAGCGCAGGACCAAGGAAGAG
 ATTCGGGGTGGAAAGAGGAGGAGCGGTCAGCTCGGTGGTGGCCGCGAGATGTCGGGCTGCAAGTGGCA
 AGTCTCACCGGAGGACCTCCCTGCCCTGCATACCCAGGAGCAGCTCATGGGCCATTGAGAAATGGGACCA
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 CTTCAAGTGAAGTATACTGCTCGGACTCTGAGGAAGGCTTGGAGAAAGACAAGCAGGCCATTTCCAAG
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 AGCCCTTACCCAGTGTGTAATCCTGACTCTTGAATGCCCCAGGGTTGACGACTCTACCAAAGC
 AGATCCTTCACTTCACTATGCTGCTCTGCAGTAACCATGTAAGTAAAGCAAAACAGGCCAG



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GTGGCCTTGCTAAAATTTCCCCCGTCCCCTCACCTCCTCCTCGCTCCCCAGGGATCACCTGCCAGCAG
TCCTGTGACGAACAGTGTTCACAACAGTTCCAGAAATCCCCTGAAGTAACCATCAAGCGAGGGCCTGGA
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AGTGACAGCAGTGACATTCTGCAGAATGAAGAGGAAGCTGAGTGCCAGAGAGAACCCAGAGGAAAGCAT
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ATGAAAACGACCGTCTCCTGGTGTGTCAGATGTGTATAAAGCTGGCTGACATCAACGGGCCTGCTAAATG
CAAAGAACTCCACCTGCGGTGGACAGAGGGCATCGCCAGCGAGTTTTATGAGCAGGGCGATGAAGAAGCC
AGCCTCGGCTTGGCCATAAGTCCCTTTATGGACCGCTCTGCCCGCAGCTGGCCAATCTTCAGGAATCCT
TTATCTCACACATCGTGGTCCCTCTGCCACTCCTATGACTCTGCGGGACTCATGCCAGGAAAATGGGT
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GAGGACGAAGCCTGTGAAAGCAGTATAGCTCCCGAAAAGAAAAGTTTTCAAAGAAGGAGAATCTACTGCC
AAATAACTCAGCACCTTCTGCAGAACACATGATGTGGAAGAAAGTGATTGAAGAGGAACAGTGTTTATC
AGGCACAGAGAACCAGTCCCTGGACCAGGTCCCTCTGCAGCATCCCTCAGAGCAGATCCAGGCTATCAAG
GAGGAAGAGGAAGAGAAGGGGAAGCCAAGAGCAGAGGAGACCCTGGCTCCACAGCCAGACCTGTGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_018779
- Insert Size:** 3426 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_018779.1](#), [NP_061249.1](#)

RefSeq Size: 4205 bp

RefSeq ORF: 3426 bp

Locus ID: 54611

UniProt ID: [Q9Z0X4](#)

Cytogenetics: 6 G2

Gene Summary: Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Involved in oocyte maturation.[UniProtKB/Swiss-Prot Function]