

Product datasheet for **RR200212**

Pde11a (NM_001127480) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde11a (NM_001127480) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pde11a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR200212 representing NM_001127480
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGAAGCAGGCAAGAAGATTTTCATTCAGAAATGTGCGCAGTGCCACACAGTGGAGAAAGTGGGAA
 GCAACAAGACAGGGCCAAATCTCTGGGGCCTTTTGGCCGAAAGACTGGACAAGCACCAGGATTTTCTTAC
 ACGGATGCAAAACAAGAACAAGGACCGAAGATTCAATGATGAAATTGACAAGCTGACTGGATACAAGACA
 AAATCACTATTGTGCATGCCTATCCGGAACAGTGACGGTGAGATTATCGGTGTGGCCAGGCGATAAATA
 AGGTTCTGAGGGTGCTCCATTTACAGAAGACGACGAAAAAGTTATGCAGATGTATCTTCCATTCTGTGG
 CATCGCCATATCTAATGCTCAGCTCTTCGCGCCCTCGAGGAAAGAATATGAAAGAAGTAGGGCCTTGCTG
 GAGGTGGTCAATGACCTCTTGAAGAACAGACTGACCTGGAAAAGATTGTCAAGAAAATAATGCATCGGG
 CCCAAACTCTGTTGAAATGTGAACGCTGTTCCGTTTTACTTCTAGAAGACATTGAATCACCAGTGGTGAA
 GTTTACCAAATCCTTTGAACTGATGTCCCAAAGTGCAGTGGGACGCGGAGAACAGTTTCAAAGAAAGT
 GTGGAGAAGTCATCTTACTCCGACTGGCTGATAAATAACAGTATCGCTGAGCTGGTTGCTTCGACAGGCC
 TTCTGTGAATGTCAGCGATGCCTACCAGGACCCACGCTTTGACGCTGAGGCTGACCAGATATCTGGCTT
 TCATATAAGATCTGTTCTCTGTGTCCCTATTTGGAACAGCAACCACAAATAATAGGGGTGCTCAAGTG
 CTGAACAGACTCGATGGGAAACCTTTTGATGATGCTGACCAAAGGCTTTTGGAGCCTTTGTCATCTTTT
 GTGGCCTTGGTATTAACAACACGATTATGTATGACCAAGTGAAGAAGTCTGGGCAAGCAGTCCGTGGC
 TCTTGATGTGCTGCTACCACGCCACGTGTTCCAAGGCTGAAGTTGACAAGTTTAAAGCAGCCAACATC
 CCCCTGGTGTGCGAACTGGCCATCGATGACATCCATTTTGATGACTTTTCCCTTGATGTTGATGCCATGA
 TCACACCCGCTCTACGGATGTTTCATGGAGCTGGGGATGGTACAGAAATTTAAAATCGACTATGAGACCT
 GTGCAGGTGGCTTCTGACAGTAAGGAAAAACTATCGGATGGTTCTCTACCACAACCTGGAGACATGCCTTC
 AACGTGTGCCAGCTGATGTTTGGCATGCTAACTACTGCTGGGTTTCAAGAGATTCTGACCAGGTGGAAA
 TTTTAGCGGTGATTGTGGGATGCCTGTGTGATGACCTCGACCACAGGGGAACCAACAATGCCTTCCAAGC
 TAAGAGTGACTCTGACTGGCCAGCTCTATGGGACCTCAGCGACCTTAGAGCATCACCCTTTAACCCAC
 GCCGTGATGATCCTTCAAGTGAAGTCAACAATCTTTGCTAATTTGCTCCTCAAGGAATACAGCGACC
 TCATGCAGCTCCTGAAGCAGTCGATACTAGCCACTGACCTCACGCTGTACTTCGAGAGAAGAACTGAGTT
 CTTGAGCTTGTGAGTAAAGGAGCCTATGATTGGAGCATCACAAGTCAAGTCAAGCTCAGGAGGAGGATG
 TTAATGACAGCTTGTGACCTTGGAGCCGTGACCAAACCGTGGGAGATCTCCAGACAGGTGGCTGAACTTG
 TCACCAGCGAGTTCTTGAACAAGGAGATCGGGAGAGGTGCGAACTCAAGCTCACCCCTCTGCTATTTT
 TGACCGGAACCGGAAAGATGAGCTGCCTCGGCTGCAACTGGAGTGGATTGACAGCATCTGCATGCCTTTG
 TATCAGGCCTTGGTAAAAGTCAATGCAAAAAGTGAAGCCGATGCTGGACTCAGTGGCCGCCAACCGCAGGA
 AGTGGGAAGAGTTGCACCAAAAAAGACTACAGGTCTCTGCTGCCTCCCAAGTCCCTTCCAGTCCCAGCCC
 AGCGGTGGCCGGAGAGGACAGACTG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200212 representing NM_001127480
Red=Cloning site Green=Tags(s)

MLKQARRFSFRNRSATQWRKVGSTRQGQISGAFLAERLDKHQDFLTRMQTRTKDRRFNDEIDKLTGYKT
 KSLLCMPIRNSDGEIIGVAQAINKVPEGAPFTEDEKVMQMYLPFCGIAISNAQLFAASRKEYERSRALL
 EVVNDLFEEQTDLEKIVKKIMHRAQTLLKCERCSVLLLEDIESPVVKFTKSFELMSPKCSADAENSFKES
 VEKSSYSDWLINNSIAELVASTGLPVNVSDAYQDPRFDAEADQISGFHIRSVLCVPIWNSNHQIIGVAQV
 LNRLDGKPFDDAQRLFEAFVIFCGLGINNTIMYDQVKKSWAKQSVALDVL SYHATCSKAEVDKFAANI
 PLYSELAIDDIHFDDFSLDVDAMITAALRMFMELGMVQKFKIDYETLCRWLLTVRKNYRMVLYHNWRHAF
 NVCQLMFAMLTTAGFQEILTEVEILAVIVGCLCHDLDRGTNNAFQAKSDSALAQLYGTSALEHHHFNH
 AVMILQSEGHNIFANLSSKEYSDLMQLLKQSILATDLTYFERTEFFELVSKGAYDWSITSHRDVFRSM
 LMTACDLGAVTKPWEISRQVAELVTSEFFEQGDRESELKLTPSAIFDRNRKDEL PRLQLEWIDSICMPL
 YQALVKVNAKLPMLDSVAANRRKWEELHQKRLQVSAASPVSPSPAVAGEDRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001127480

ORF Size: 2055 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001127480.1](#), [NP_001120952.1](#)

RefSeq Size: 3492 bp

RefSeq ORF: 2058 bp

Locus ID: 140928

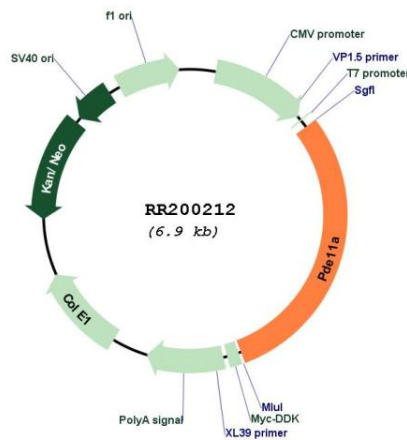
UniProt ID: [Q8VID6](#)

Cytogenetics: 3q23-q24

MW: 78.1 kDa

Gene Summary: hydrolyzes cyclic nucleotides cAMP and cGMP, downregulating their activity [RGD, Feb 2006]

Product images:



Circular map for RR200212