

Product datasheet for **MR225474**

Pde4d (NM_011056) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde4d (NM_011056) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pde4d
Synonyms:	9630011N22Rik; Dpde3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR225474 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAGGGACACTTGTGATGACTCTCTCGGAGCAAAAAGTGCCTCTGAGGAAACTGCACTCCTGTA
 ATGAAGAAGAGGACCCTTTTCGTGGAATGGAGCCCTATCTCGTACGGCGACTTTCTTCCCGCAGCATTCA
 GCTTCCACCTCTGGCCTTCAAGACAGTTGGAACAAGCAGACTTGGCAAGCGAATCAGAGAACATCCCTCGG
 CCAACTAGCCTCCCTTAAAACTCTGCCTCTGATCGCGTCACATCTGCAGACTCAAGTGGTTTCGATG
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 CGTGGCCTATCACAACAACATCCATGCTGCAGAGTCGTCCAGTCCACTCACGTGCTCTCTACACCC
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 AACCTTGGAGGAAGACTGTGAGTCAAGACTGAAAAGGACAGTGGAAAGTCAAGTGGAGGAAGACTAGC
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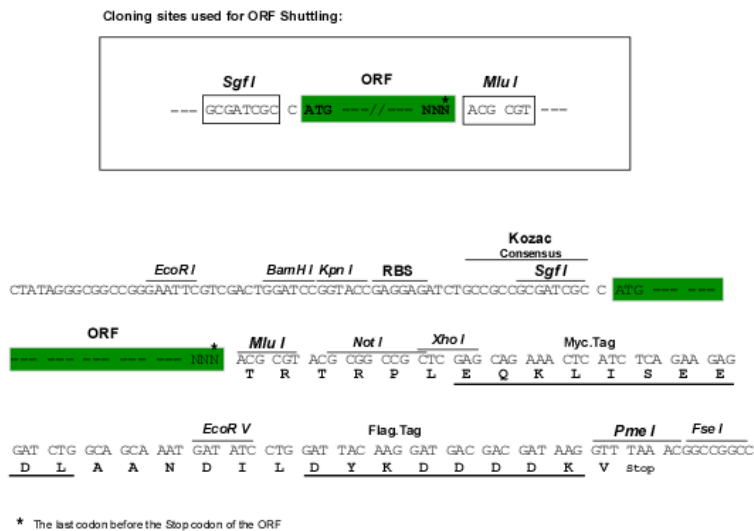
Protein Sequence: >MR225474 protein sequence
 Red=Cloning site Green=Tags(s)

MERDTCVDLRSKASAEETLHSCNEEEDPFRGMEPYLVRRLSSRSIQLPPLAFRQLEQADLRSESENI
 PRTSLPLKILPLIAVTSADSSGFVDVNGTSAGRSPLDPMTSPGSLILQANFVHSQRRESFLYRSDSDYDL
 SPKSMSRNSIASDIHGDDLIVTPFAQVLASLRTVRNFAALTNLQDRAPSKRSPMCNQPSINKATITEE
 AYQKLASETLEELDWCLELQLETLQTRHSVSEMASNKFKRMLNRELTHLSEMSRSGNQVSEYISNTFLDKQ
 HEVEIPSPTQKEKEKKRPMISQISGVKLMHSSSLTNSCIPRFGVKTEQEDVLAKELDVNKWGLHVFRI
 AELSGNRPLTVIMHTIFQERDLLKTFKIPVDTLITYLMTLEDHYHADVAYHNNIHAADVQSTHVLLSTP
 ALEAVFTDLEILAAIFASAIHDVDHPGVSQFLINTNSELALMYNDSSVLENHHLAVGFKLLQEENCDF
 QNLTKKQRQSLRKMVIDIVLATDMSKHMNLLADLKTMTVETKKVTSQGVLLLDNYSRIQVLQNMVHCADL
 SNPTKPLQLYRQWTDRIEMEEFRQGDREERERGMESPMCDKHNASVEKSQVGFIDYIVHPLWETWADLVH
 PDAQDILDLEDNREWYQSTIPQSPAPDDQEEGRQGQTEKFQFELTLEEDCESDTEKDSGSQVEEDTS
 CDSKTLCTQDSESTEIPLDEQVEEEAVAEESQPETCVPDCCPDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011056

ORF Size: 2244 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_011056.1](#), [NM_011056.2](#), [NM_011056.3](#), [NP_035186.1](#)

RefSeq Size: 7049 bp

RefSeq ORF: 2244 bp

Locus ID: 238871

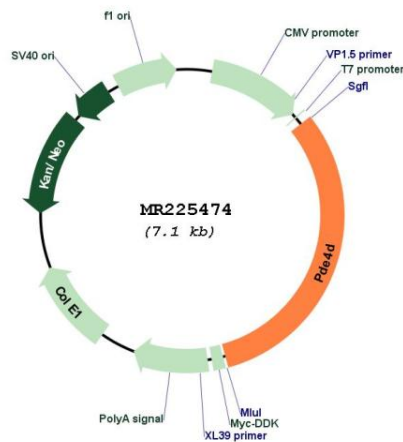
UniProt ID: [Q01063](#)

Cytogenetics: 13 59.69 cM

MW: 84.6 kDa

Gene Summary: Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225474