

Product datasheet for **MR209773**

Pde4c (NM_201607) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde4c (NM_201607) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pde4c
Synonyms:	Dpde1; dunce; E130301F19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR209773 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCCATGAGCGGAGTGGCACGGCCCTGTCTTCTGTGGACTGAGCGAGTCCGAGAGCCAGTGGATTCTGGAG
TGGCCCCGTGTCAGCCCCCTAGGTGGGGGTGTGATCCTGAGACGGTTCTCAGGGACCCTGCTGCTGCCTCC
ACTGTCCAGCCGCTGGGGTCTCTGGGAGGCGGAGTCTGCTGCCACGTGGTCTTACAGATTGGAAC
CAAGGGACACAGAGAAACCTTGGCTCAGCTCAGAGCAGCTTTGACCTCGAAAATGGGCTTCCGGCGGCA
AGGGTCTCCTAGACGCTCAGTCCGGGCCGAGTCTCGGCCGCGCCCTCCAGCCCCGTCCATCATGTCCA
GCGGCGGAGTCTTCTGTACCGTTCCGACAGCGACCATGAACCTTACCCAAAGGCTGTGTCCCGGACC
TCCTCGGCGGCCAGTGACCTACATGGAGAAGACATGATTGTCACGCCCTTCGCCAGGCTCTGGCCAGTC
TCAGGACGGTCCGTAACAACGTGGCTGCCCTTGACATGGCCCGGTAGTCCACCAGGCAGGTGCTCCT
GGGAACCCCTCCGCACAGCAGTCAACAGGCAGCCCCAACAGAGGACTCTGGGCTGCAGCTGGTGCAGGAG
ACCCTGGAGGAGCTGGACTGGTGCCTGGAGCAGCTGGAGACACTGCAGACTCGTCCGCTCAGTGGGCGAGA
TGGCCTCCAACAAGTTCAAGCGCATGCTCAACCGTGAGTTGTCTTACCTGTCCGAAACCAGCCGCTCAGG
GAACCAGGTGTCGGAGTACATCTCGCAGACTTCTCGACCAACAGGCTGAGGTTGAGCTGCCTCAGCCG
CCCACGGAAGACGACCCATGGCCATGGCCAGATCACTGAGCTGCGTAGGTCTCCACACCAGCCTTC
CCACAGCTGCTATCCCACGCTTTGGGGTCCAGACAGATCAGGAGGAGCAGCTGGCTAAGGAACTTGAAGA
CACCAACAAATGGGGACTTGATGTGTTCAAAGTGGCTGAGCTGAGTGGGAACCGGCTCTCACAGCTGTC
ATATTGAGCGTCTCCAGGAACGAGACCTCCTCAAGACGTTCCAGATCCCAGCAGACACGCTGCTGGCGT
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GCAGCTATCTTTGCATGTGCTATACACGACGTAGACCACCCGGGGTCTCCAACCAGTTTCTCATCAACA
CCAACCTCAGAGCTGGCACTGATGTACAATGATTTCATCGGTGCTGGAGAACCATCACCTCGCGGTAGGCTT
CAAGCTCTGCAGGGGAAAACCTGCGACATCTCCGGAACCTCAGTACCAAGCAGAGACTGAGTCTGCGC
AGGATGGTCATAGACATGGTGTGGCCACAGATATGTCTAAGCACATGAGCCTTCTGGCCGACCTCAAGA
CCATGGTGGAGACGAAGAAAGTACCAGCCTTGGCGTCTGCTCTTGGACAATTACTCTGACCGCATCCA
GCAGGGTGACCGGAGCGAGAGTCAAGTCTGGACATCAGCCCCATGTGCGACAAAACACAGCCTCGATG
GAGAAATCCCAGGTGGGATTCATTGACTACATCGCTCAGCCATTGTGGGAGACATGGGCTGACCTAGTGC
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CAGCCCTCCACACACCATGGGCTCAGACAGGTTCAAGTTTGAAGTGGAGGAAAGCAGAGGAAGAG
GAGGAAGAGGAAGATGAAGGACAGTGCACAGCACTGAACAGGGAGTCTCAGAGTTACCCAGCACTACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209773 protein sequence
Red=Cloning site Green=Tags(s)

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MRRSGTALSFLWTERVREPVD SGVAPVSPLGGVILRRFSGTLLLP LSSRLGSSGEAESAAHVFTIGT
QGTQRNLGSAQSSFDLENGL PGGKGLLDAQSPSLGRALQPPVHHVQRRESFLYRSDSDHEPSPKAVSRT
SSAASDLHGEDIIVTPFAQV LASLRTVRNNVAALAHGPGSATRQVLLGTPPHSSQQAAPTEDSGLQLVQE
TLEELDWCLEQLETLQTRRSV GEMASNKFKRMLNRELSYLSRSGNQVSEYISQTFLDQQALEVELPQP
PTEDDPWMAQITELRRSSHT SLPTAAIPRFGVQTDQEEQLAKELED TNKWGLDVFKVAELSGNRPLTAV
IFSVMQERDILLKTFQIPADT LLLAYLLTLEGHYSDVAYHNSMHAADVQSAHVLLGTPALEAVFTDLEVL
AAIFACAIHDVDHPGVSNQFL INTNSELALMYNDSSVLENHHLAVGFKLLQGENCDIFRNLSTKQRLSLR
RMVIDMVLATDMSKHMSLLAD LKTMVETKKVTS LGVLLLDNYSRDIQQGDRERESGLDISPMCDKHTASM
EKSQVGFIDYIAQPLWETWAD L VHPDAQELLD TLEDNREWYQSRIPCSPHTMGSDRFKFLTLEEAEEE
EEEEDEGQCTALNRESSELPST
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_201607

ORF Size: 1959 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_201607.1](#)

RefSeq Size: 3203 bp

RefSeq ORF: 1959 bp

Locus ID: 110385

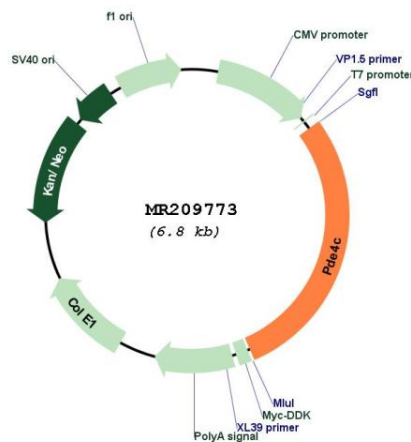
UniProt ID: [Q3UEI1](#)

Cytogenetics: 8 34.15 cM

MW: 72.1 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 MR209773