

Product datasheet for **MR218106**

Pde4a (NM_019798) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde4a (NM_019798) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pde4a
Synonyms:	D9Ertd60e; Dpde2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR218106 representing NM_019798
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCTGGTTGACTTCTTCTGCGAGACCTGCTCCAAGCCCTGGCTGGTGGGCTGGTGGGACCAGTTTA
 AAAGGATGCTGAACCGGAACTCACACCTGTGCGAAATGAGCAGGTCAGGAAACCAGGTCTCAGAGTA
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 TTCCAGCAGCCCCACCAGCAGCAGTGCAGCAGGCCAGCCATGTCTCAGATCACAGGGCTGAAAAAGC
 TGGTACACACCGGAAGCTTGAACATCAATGTCCCACGATTTGGAGTCAAGACAGATCAGGAGGACCTCTT
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Protein Sequence:

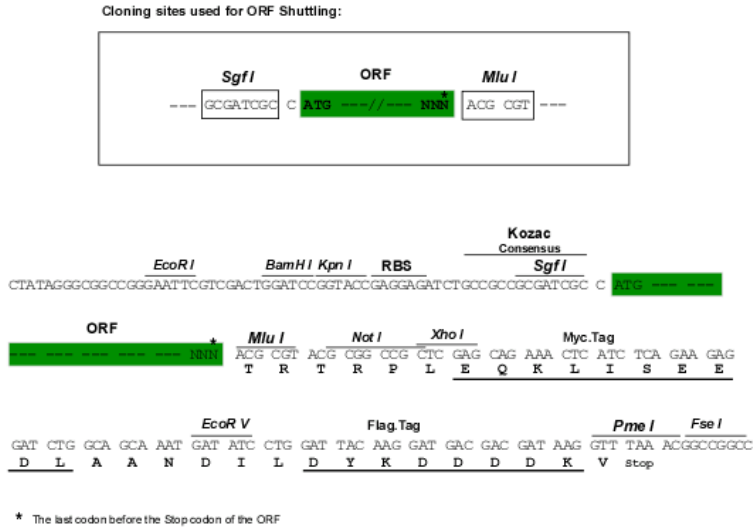
>MR218106 representing NM_019798
 Red=Cloning site Green=Tags(s)

MPLVDFFCETCSKPWLVGWWDQFKRMLNRELTHLSEMSRSGNQVSEYISNTFLDKQHEVEIPSPTPRQRP
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 DTRAQAMEQSKVKQSPAVVEVAESLKQETASAHGAPEESA EAVGHSF SLETSILPDLRTLSPSEEAQGL
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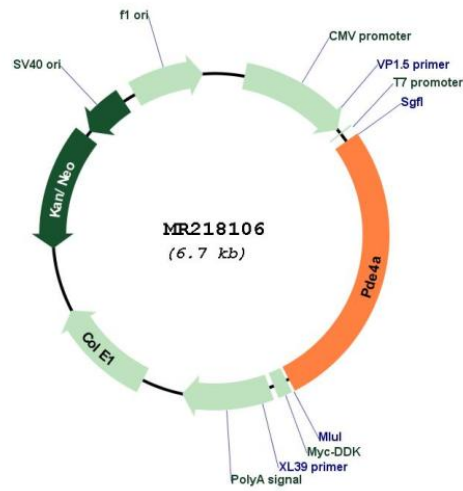
TRTRPLEQKLISEEDLAANDILDYKDDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019798

ORF Size: 1830 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:	<ol style="list-style-type: none">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_019798.5 , NP_062772.3
RefSeq Size:	4150 bp
RefSeq ORF:	1833 bp
Locus ID:	18577
UniProt ID:	O89084
Cytogenetics:	9 7.73 cM
MW:	68.6 kDa
Gene Summary:	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes.[UniProtKB/Swiss-Prot Function]