

Product datasheet for **RR209788**

Pde8a (NM_198767) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde8a (NM_198767) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pde8a
Synonyms:	RNPDE8A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR209788 representing NM_198767
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCTGCGCCCCGAGCATCCACATTTCCGACAACCGAGTGTGCAACCCACGCACAGCGACGGCGGAGG
 ACGAGGACGTCCGGTCCCGCGCTGAGGTCTAGACAGCGATGGTCGACCCCGCCGGGCTCGTGGAGCC
 TCAGCCTCGGCACAGCGGTGCCTCGAAGGTATCAGTTGCTGATGTGCAATTTGGCCCGATGAGATTCAT
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 GTGAAAAAGCCGGTTTAAAGTGCACAGTACCAAGGAGGTGCAGACTGTCCTTGCTGTTCCAGGACAA
 ACTCCATGACATCATCATAGACCACAGAAATCCCGACAGATGGATGCGGAGGCAATGTGCAGGTCT
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 CGTTTGTCTGTTTTGAAATCTGTGAGTTCTTACAGTGTCTGAGGCAACGCTGAAATCATGGTTTCAAAT
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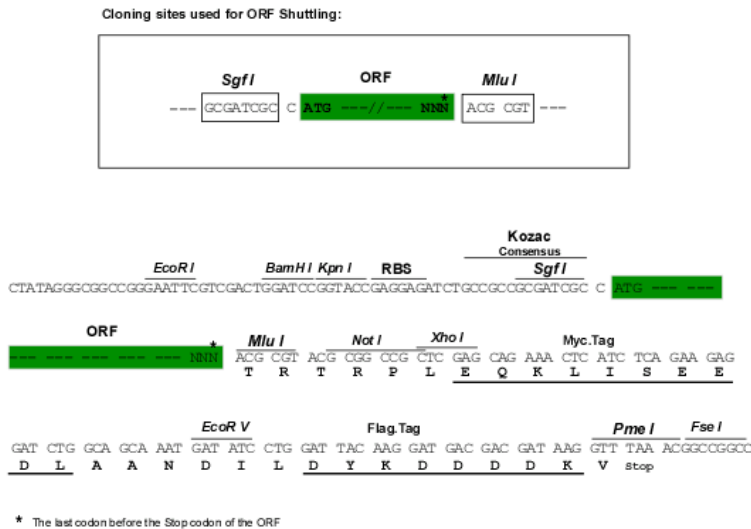
Protein Sequence: >RR209788 representing NM_198767
 Red=Cloning site Green=Tags(s)

MGCAPSIHISDNRVSNPSSDGEDEDVVRPALRSRQRWSTPPGLVEPQPRDSGASKVSVADVQFGPMRFH
 QDQLQVLLVFTKEDSQCNQFYRACEKAGFKCTVTKEVQTVLACFQDKLHDIIIDHRNPRQMDAEMCRS
 IRSSKLSSENTVIVGVRRVDKEEVSLMPFLAAGFTRRYIENPNVMACYNELLQLAFGEVRSQKLKLRACNS
 VFTALEKSQEAIEITSEDHIIQYANPAFETTMGYQSGELIGKELAQVPINEKKGDLLDAINSCVTIDKEW
 QGVYHTQKKNGDNIQQNVKIIPVIGQGGKIRHYVSIIRVCNGSNKVETTTECVQTDSTDSQAGKHKDRR
 KHSMDVKAVSSRTSEVSNQRRHSSLARIHSMIEAPITKVINILSAAQENSPVSVTEALNHVLDILRTTE
 LYSPQFNTEDDPHATDLVGGMSDGLRRFSGNEYTLATKSLRPSSQLAVPISLHDIPRIAQVIENEEQ
 WDFDIFELEAATQNRPLIYLGLKTFARFEICEFLQCSEATLKSQWFQIIESNYHSSNPYHNSTHAADVLHA
 TAYFLSRNKLKDTLDRLEVAALIAATIHVDVHPGRTNSFLCNAGKELAVLYNDTAVLESHHAALAFQLT
 LENDKCNIFKNTDRNDYRTLRSIIDMVLATEMTKHFEHVNKFINSINKPLKAQKNEVQETGRSLEDIRA
 MVRTPESRTLKRMMIKADVSNPCRPLEHCIEWAARISEEYFSQTDEEKQLDLPVVMVPVDRNTCSIPK
 SQISFIDYFITDMFDAWDAFVYLPNLMRHLEDNFKYWKGLDEKELCTLRPPPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_198767

ORF Size: 2469 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_198767.1](#), [NP_942062.1](#)

RefSeq Size: 2560 bp

RefSeq ORF: 2472 bp

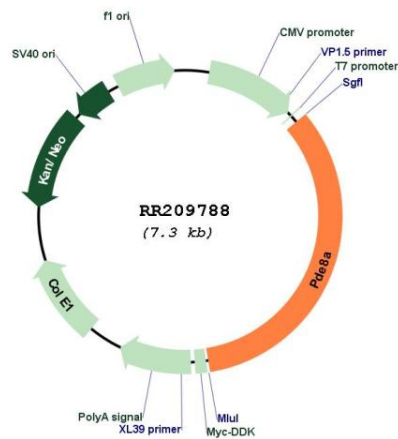
Locus ID: 308776

Cytogenetics: 1q31

MW: 93.3 kDa

Gene Summary: mouse homolog is a cAMP-specific cyclic nucleotide phosphodiesterase [RGD, Feb 2006]

Product images:



Circular map for RR209788