

Product datasheet for **RC205292A1V**

Human PDE1A (NM_005019) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human PDE1A (NM_005019) AAV Particle
Tag:	Myc-DDK
Symbol:	PDE1A
Synonyms:	CAM-PDE-1A; CAM-PDE 1A; HCAM-1; HCAM1; HSPDE1A
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC205292 ORF sequence

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

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

 ATGGGGTCTAGTGCCACAGAGATTGAAGAATTGGAACACCACCTTTAAGTATCTTACAGGAGAACAGA
CTGAAAAAATGTGGCAGCGCCTGAAAGGAATACTAAGATGCTTGGTGAAGCAGCTGGAAGAGGTGATGT
TAACGTCGTCGACTTAAAGAAGAATATTGAATATGCGGCATCTGTGCTGGAAGCAGTTTATATCGATGAA
ACAAGAAGACTTCTGGATACTGAAGATGAGCTCAGTGACATTCAGACTGACTCAGTCCCCTCTGAAGTCC
GGGACTGGTTGGCTTCTACCTTTACACGGAAAAATGGGGATGACAAAAAGAAACCTGAGGAAAAACAAA
ATTTCCGAGCATTGTGCATGCTGTTCAAGCTGGAATTTTTGTGGAAGAATGTACCGAAAAACATATCAT
ATGGTTGGTTTGGCATATCCAGCAGCTGTCATCGTAACATTAAGGATGTTGATAAATGGTCTTTTCGATG
TATTTGCCCTAAATGAAGCAAGTGAGAGCATAGTCTGAAGTTTATGATTTATGAAGTGTACCAGATA
TGATCTTATCAACCGTTTCAAGATTCCTGTTTCTGCTAATCACCTTTGCAGAACTTTAGAAGTTGGT
TACAGCAAGTACAAAAATCCATATCACAAATTTGATTTCATGCAGCTGATGTCACTCAAACCTGTGCATTACA
TAATGCTTCATACAGGTATCATGCACTGGCTCACTGAAGTGGAAATTTAGCAATGGTCTTTGCTGCTGC
CATTTCATGATTATGAGCATACAGGGACAACAACAACTTTACATTTCAGACAAGGTGAGATGTTGCCATT
TTGTATAATGATCGCTCTGTCCTTGAGAATCACCACGTGAGTGCAGCTTATCGACTTATGCAAGAAGAAG
AAATGAATATCTTGATAAATTTTCCAAAGATGACTGGAGGGATCTTCGGAACCTAGTGATTGAAATGGT
TTTATCTACAGACATGTCAGGTCACTTCCAGCAAAATTAATAAGAAACAGTTTGCAGCAGCCTGAA
GGGATTGACAGAGCCAAAACCATGTCCCTGATTCTCCACGCAGCAGACATCAGCCACCCAGCCAAATCCT
GGAAGCTGCATTATCGGTGGACCATGGCCCTAATGGAGGAGTTTTCTGCAGGGAGATAAAGAAGCTGA
ATTAGGCTTCCATTTTCCCACTTTGTGATCGGAAGTCAACCATGGTGGCCAGTCACAAATAGGTTTC
ATCGATTTTCATAGTAGAGCCAACATTTTCTCTTCTGACAGACTCAACAGAGAAAATTGTTATTCCTCTTA
TAGAGGAAGCCTCAAAAGCCGAACTTCTCTCTATGTGGAAGCAGCTCAACCACCATTGTTGGGTTACA
CATTGCTGATGCACTAAGACGATCAAATACAAAGGCTCCATGAGTGATGGGTCTATCCCCAGACTAC
TCCCTTGACAGCAGTGGACCTGAAGAGTTTCAAGAACAACCTGGTGGACATCATTACAGCAGAACAAAGAGA
GGTGGAAGAGTTAGCTGCACAAGGTGAATCTGATCTTCATAAGAACTCAGAAGACTTAGTAAATGCTGA
AGAAAAACATGATGAGACACATTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205292 protein sequence

Red=Cloning site Green=Tags(s)

 MGSSATEIEELENTTFKYL TGEQTEKMWQRLKILRCLVKQLERGDVNVVDLKKNIEYAASVLEAVYIDE
TRRLDTEDELSDIQDSVPSEVRDLASTFTRKMGMTKKKPEEKPKFRSIVHAVQAGIFVERMYRKTYH
MVGLAYPAAVIVTLKDVKWSFDVFALEASGEHSLKFMIELFTRYDLINRFKIPVSCLITFAEAELEV
YSKYKNPYHNLHAADVTQTQVHYIMLHTGIMHWLLEILAMVFAAAIDHYEHTGTTNNFHIQTRSDVAI
LYNDRSVLENHHVSAAYRLMQEEEMNILINLSKDDWRDLRNLVIEMVLSTDMSGHFQIKINIRNSLQQPE
GIDRAKTMSLILHAADISHPAKSWKLHYRWTMALMEEFFLQGDKEAELGLPFSPLCDRKSTMVAQSQIGF
IDFIVEPTFSLTDSKIVIPLEIEASKAETSSYVASSSTTIVGLHIADALRRSNTKGSMSDGSYSPDY
SLAAVDLKSFKNNLVDIIQONKERWKELAAQGESDLHKNSDLVNAEEKHDETHS

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_005019

ORF Size:	1635 bp
Buffer:	PBS with 0.001% Pluronic F68
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	<u>NM_005019.3</u>
RefSeq Size:	4918 bp
RefSeq ORF:	1638 bp
Locus ID:	5136
UniProt ID:	<u>P54750</u>
Cytogenetics:	2q32.1
MW:	62.3 kDa