

Product datasheet for **RC216872A1V**

Human PDE9A (NM_001001570) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human PDE9A (NM_001001570) AAV Particle
Tag:	Myc-DDK
Symbol:	PDE9A
Synonyms:	HSPDE9A2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC216872 representing NM_001001570
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGATCCGGCTCCTCCAGCTACCGGCCAAGGCCATCTACCTGGACATCGATGGACGCATTAGAAGG
 TAATCTTCAGCAAGTACTGCAACTCCAGCGACATCATGGACCTGTTCTGCATCGCCACCGCCTGCCTCG
 GAACACGACCATCTCCCTGCTGACCACCGACGACGCCATGGTCTCCATCGACCCACCATGCCCGGAAT
 TCAGAACGGAATGAGCTCATTCTCTATACATCACTCCGTAACCTGTTGTTTTACCTAGTAAGGAGTCAT
 GGGCGTCCCACCAGCACTCCGTACAAAGTGAGACCTGTGGCCATCAAGCAACTCTCCGAGCATTCAAAT
 CAATGAACTGAAAGCTGAAGTTGCAAATCACTTGGCTGTCTAGAGAAACCGGTGGAATTGGAAGGACTA
 AAAGTGGTGGAGATTGAGAAATGCAAGAGTGACATTAAGAAGATGAGGGAGGAGCTGGCGCCAGAAGCA
 GCAGGACCAACTGCCCTGTAAGTACAGTTTTTTGGATAACCACAAGAAGTTGACTCCTCGACGCGATGT
 TCCCACTTACCCAAGTACCTGTCTCTCCAGAGACCATCGAGGCCCTCGGAAGCCGACCTTTGACGTC
 TGGCTTTGGGAGCCCAATGAGATGCTGAGCTGCCTGGAGCACATGTACCACGACCTCGGGCTGGTCAGGG
 ACTTCAGCATCAACCCTGTACCCCTCAGGAGGTGGCTGTTCTGCGTCCACGACAACCTACAGAAACAACCC
 CTTCCACAACCTCCGGCACTGCTTCTGCGTGGCCAGATGATGTACAGCATGGTCTGGCTCTGCAGTCTC
 CAGGAGAAGTTCTCACAACCGGATATCCTGATCCTAATGACAGCGGCCATCTGCCACGATCTGGACCATC
 CCGGCTACAACAACACGTACCAGATCAATGCCCGCACAGAGCTGGCGGTCCGCTACAATGACATCTACC
 GCTGGAGAACCACCACTGCGCCGTGGCCTTCCAGATCCTCGCCGAGCCTGAGTGAACATCTTCTCCAAC
 ATCCCACCTGATGGGTTCAAGCAGATCCGACAGGGAATGATCACATTAATCTTGGCCACTGACATGGCAA
 GACATGCAGAAATTATGGATTCTTTCAAAGAGAAAATGGAGAATTTTGACTACAGCAACGAGGAGCACAT
 GACCCCTGCTGAAGATGATTTTGATAAAAATGCTGTGATATCTTAACGAGGTCCGTCCAATGGAAAGTCGCA
 GAGCCTTGGGTGGACTGTTTATTAGAGGAATATTTTATGCAGAGCGACCGTGAGAAGTCAGAAGGCCCTTC
 CTGTGGCACCGTTCATGGACCGAGACAAAGTGACCAAGGCCACAGCCAGATTGGGTTTCAAGTTTGT
 CCTGATCCCAATGTTTGAACAGTGACCAAGCTCTTCCCATGGTTGAGGAGATCATGCTGCAGCCACTT
 TGGGAATCCCAGATCGCTACGAGGAGCTGAAGCGGATAGATGACGCCATGAAAGAGTTACAGAAGAAGA
 CTGACAGCTTGACGTCTGGGCCACCGAGAAGTCCAGAGAGAGAAGCAGAGATGTAAAAACAGTGAAGG
 AGACTGTGCC

AC**CGGCCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACA**
 AGGATGACGAGATAAGGTTTAA

Protein Sequence:

>RC216872 representing NM_001001570
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MGS~~SSSYR~~PKAIYLDIDGRIQKVIFSKYCNSSDIMDLFCIATGLPRNTTISLLTTDDAMVSIDPTMPAN
 SERNELI~~LYTSLR~~NLLFLPSKESWASHQHSVQSETCGHQATLRAFKINELKAEVANHLAVLEKRVELEGL
 K~~VVEIEKCKSDIKMREELAARSRTNCPCKYSFLDNHKKLTPRRD~~VPTYPKYLLSPETIEALRKPFTDV
 WLWEPNEMLSLEHMYHDLGLVRDFSINPVTLRRWLFVHDNYRNNPFHFRHCFVAQMMYSMWLCSL
 QEKFSQTDILILMTAAICHDLDPGYNNYQINARTELA~~VRYNDISPLENHCAVAFQILAEPECN~~IFSN
 IPPDGFQ~~IRQGMITLILATDMARHAEIMDSFKEKMFNDYSNEEHMTLLKMILIKCCDISNEVRPMEVA~~
 EPWVDC~~LLEEFMQSDREKSEGLPVAPFMDRDKVTKATAQIGFIKFLVLPFETVTKLFP~~MVEEIMLQPL
 WESRD~~RYEELKRIDDAMKELQKKTDSL~~TSGATEKSRERSRDVKNSEGDCA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001001570

ORF Size:	1620 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_001001570.1, NP_001001570.1</u>
RefSeq Size:	1944 bp
RefSeq ORF:	1623 bp
Locus ID:	5152
UniProt ID:	<u>O76083</u>
Cytogenetics:	21q22.3
MW:	62.3 kDa