

Product datasheet for **RC224133A1V**

Human PDE9A (NM_001001568) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human PDE9A (NM_001001568) 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:

>RC224133 representing NM_001001568
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGCATTGAGAAGCACTCCGTACAAAGTGAGACCTGTGGCCATCAAGCAACTCTCCGAGAGAGAAG
 AATTAATCCAGAGCGTGTGGCGCAGGTTGCAGAGCAGTTCTCAAGAGCATTCAAAATCAATGAAGTGA
 AGCTGAAGTTGCAAACTACTTGCTGTCTAGAGAAACGCGTGAATTGGAAGGACTAAAAGTGGTGGAG
 ATTGAGAAATGCAAGAGTGACATTAAGAAGATGAGGGAGGAGCTGGCGGCCAGAAGCAGCAGGACCAACT
 GCCCCTGTAAGTACAGTTTTTTGGATAACCACAAGAAGTTGACTCCTCGACGCGATGTTCCCACTTACCC
 CAAGTACCTGCTCTCCAGAGACCATCGAGGCCCTGCGGAAGCCGACCTTTGACGTCTGGCTTTGGGAG
 CCCAATGAGATGCTGAGCTGCCTGGAGCACATGTACCAGACCTCGGGCTGGTCAGGGACTTCAGCATCA
 ACCCTGTACCCCTCAGGAGGTGGCTGTTCTGCGTCCACGACAACACAGAAACAACCCCTTCCACAACCT
 CCGGCACTGCTTCTGCGTGGCCAGATGATGTACAGCATGGTCTGGCTCTGCAGTCTCCAGGAGAAGTTC
 TCACAAACGGATATCCTGATCCTAATGACAGCGGCCATCTGCCACGATCTGGACCATCCCGGCTACAACA
 ACACGTACCAGATCAATGCCCGCACAGAGCTGGCGGTCCGCTACAATGACATCTCACCGCTGGAGAACCA
 CCACTGCGCCGTGGCCTTCCAGATCCTCGCCGAGCCTGAGTGCAACATCTTCTCCAACATCCACCTGAT
 GGGTTCAAGCAGATCCGACAGGGAATGATCACATTAATCTTGGCCACTGACATGGCAAGACATGCAGAAA
 TTATGGATTCTTTCAAAGAGAAAATGGAGAATTTTGACTACAGCAACGAGGAGCACATGACCCTGCTGAA
 GATGATTTTGATAAATGCTGTGATATCTTAACGAGGTCCGTCCAATGGAAGTCGACAGCCTTGGGTG
 GACTGTTTATTAGAGGAATATTTATGCAGAGCGACCGTGAGAAGTCAGAAGGCCTTCTGTGGCACCCT
 TCATGGACCGAGACAAAGTGACCAAGGCCACAGCCAGATTGGGTTTCATCAAGTTTGTCTGATCCCAAT
 GTTTGAAACAGTGACCAAGCTCTTCCCATGGTTGAGGAGATCATGCTGCAGCCACTTTGGGAATCCCGA
 GATCGTACGAGGAGCTGAAGCGGATAGATGACGCCATGAAAGAGTTACAGAAGAAGACTGACAGCTTGA
 CGTCTGGGGCCACCGAGAAGTCCAGAGAGAGAAGCAGAGATGTAAAAACAGTGAAGGAGACTGTGCC

AC**CGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA**
 TTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224133 representing NM_001001568
 Red=Cloning site Green=Tags(s)

MDAFRSTPYKVRPVAIKQLSREELIQSVLAQVAEQFSRAFKINELKAEVANHLAVLEKRVELEGLKVVE
 IEKCKSDIKMREELAAARSSRTNCPCKYSFLDNHKKLTPRRDVPTYPKYLLSPETIEALRKPTFDVWLWE
 PNEMLSCEHMYHDLGLVRDFSINPVTLRWLFCVHDNYRNNPFHNRHCFCAQMMYSMWLCSLQKEF
 SQTIDILMTAAICHDLDPGYNNYQINARTELAVRYNDISPLENHCAVAFQILAEPECNIFSNIPPD
 GFKQIRQGMITLILATDMARHAEIMDSFKEKMFNFDYSNEEHMTLLKMILIKCCDISNEVRPMEVAEPWV
 DCLLEEFMQSDREKSEGLPVAPFMDRKVTAKAQIGFIKFVLIIPFETVTKLFPMVEEIMLQPLWESR
 DRYEELKRIDDAMKELQKKTDLSLTSGATEKSRERSRDVKNSEGDCA

TRRLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001001568

ORF Size:

1398 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_001001568.1</u> , <u>NP_001001568.1</u>
RefSeq Size:	1774 bp
RefSeq ORF:	1401 bp
Locus ID:	5152
UniProt ID:	<u>O76083</u>
Cytogenetics:	21q22.3
MW:	54.3 kDa