

Product datasheet for **RC224417A1V**

Human PDE9A (NM_001001574) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human PDE9A (NM_001001574) 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:

>RC224417 representing NM_001001574
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGATCCGGCTCCTCCAGCTACCGGCCAAGGCCATCTACCTGGACATCGATGGACGCATTAGAAGG
 TAATCTTCAGCAAGTACTGCAACTCCAGCGACATCATGGACCTGTTCTGCATCGCCACCGCCTGCCTCG
 CACTCCGTACAAAGTGAGACCTGTGGCCATCAAGCAACTCTCCGAGAGAGAAGAATTAATCCAGAGCGTG
 CTGGCGCAGGTTGCAGAGCAGTTCTCAAGAGCATTCAAAATCAATGAACTGAAAGCTGAAGTTGCAAATC
 ACTTGGCTGTCTAGAGAAACCGGTGGAATTGGAAGGACTAAAAGTGGTGGAGATTGAGAAATGCAAGAG
 TGACATTAAGAAGATGAGGGAGGAGCTGGCGGCCAGAAGCAGCAGGACCAACTGCCCTGTAAGTACAGT
 TTTTGGATAACCACAAGAAGTTGACTCCTCGACGCGATGTTCCCACTTACCCCAAGTACCTGCTCTCTC
 CAGAGACCATCGAGGCCCTGCGAAGCCGACCTTGGACGTCTGGCTTTGGGAGCCCAATGAGATGCTGAG
 CTGCCCTGGAGCAGTGTACCACGACCTCGGGCTGGTCAAGGACTTCAGCATCAACCCTGTACCCTCAGG
 AGGTGGCTGTTCTGCGTCCACGACAACACAGAAACAACCCCTTCCACAACCTCCGGCAGCTGCTTCTGCG
 TGGCCAGATGATGTACAGCATGGTCTGGCTCTGCAGTCTCCAGGAGAAGTTCTCACAACCGGATATCCT
 GATCCTAATGACAGCGGCCATCTGCCACGATCTGGACCATCCCGGCTACAACAACACGTACCAGATCAAT
 GCCCGCACAGAGCTGGCGGTCCGCTACAATGACATCTCACCGCTGGAGAACCACCACTGCCCGTGGCCT
 TCCAGATCCTCGCCGAGCCTGAGTGAACATCTTCTCCAACATCCCACCTGATGGGTTCAAGCAGATCCG
 ACAGGGAATGATCACATTAATCTTGGCCACTGACATGGCAAGACATGCAGAAATATGGATTCTTTCAA
 GAGAAAATGGAGAATTTTACTACAGCAACGAGGAGCAGTACCCTGCTGAAGATGATTTTATGATAAAAT
 GCTGTGATATCTAACGAGGTCGTCCTCAATGGAAGTGCAGAGCCTTGGGTGGACTGTTTATTAGAGGA
 ATATTTTATGCAGAGCGACCGTGAAGTGAAGGCGCTTCTGTGGCACCCTCATGGACCGAGACAAA
 GTGACCAAGGCCACAGCCAGATTGGGTTCAAGTTTGTCTGATCCCAATGTTTGAACAGTGACCA
 AGCTCTTCCCATGGTTGAGGAGATCATGCTGCAGCCACTTTGGGAATCCCGAGATCGCTACGAGGAGCT
 GAAGCGGATAGATGACGCCATGAAAGAGTTACAGAAGAAGACTGACAGCTTGACGTCTGGGGCCACCGAG
 AAGTCCAGAGAGAGAAGCAGAGATGTGAAAAACAGTGAAGGAGACTGTGCC

AC**GCGGCCGC**TCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224417 representing NM_001001574
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MGS~~SSSYR~~PKAIYLDIDGRIQKVIFSKYCNSSDIMDLFCIATGLPRTPYKVRPVAIKQLSEREELIQSV
 LAQVAEQFSRAFKINELKAEVANHLAVLEKRVELEGLKVVEIEKCKSDIKMREELAARSSRTNCPCKYS
 FLDNHKKLT~~PRRDV~~PTYPKYLLSPETIEALRKPTFDVWLWEPNEMLSCLEHMYHDLGLVRDFSINPVTLR
 RWLFCVHDN~~YRNNP~~FHFRHCFV~~QMMYS~~MVWLSLQEKFSQTDILILMTAAI~~CHDL~~DHPGYNNTYQIN
 ARTELAVRYNDISPLENHHCAVAFQILAEPECNIFSNIPPDGFKQIRQGMITLILATDMARHAEIMDSFK
 EK~~MEN~~F~~Y~~SDSNEEHMTLLKMILIKCCDISNEVRPMEVAEPWVDCLLEEYFMQSDREKSEGLPVAPFMDRDK
 VTKATAQIGFIK~~FV~~LIPMFETVTKL~~FPMVEE~~IMLQPLWESRD~~RYEEL~~KRIDDAMKELQKKTDSLTS~~GATE~~
 KSRERSRDVKNSEGDCA

TRRLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001001574

ORF Size:

1521 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_001001574.1</u> , <u>NP_001001574.1</u>
RefSeq Size:	1845 bp
RefSeq ORF:	1524 bp
Locus ID:	5152
UniProt ID:	<u>O76083</u>
Cytogenetics:	21q22.3
MW:	58.8 kDa