

Product datasheet for **RC206127A1V**

Human Adenylate kinase 5 (AK5) (NM_012093) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Adenylate kinase 5 (AK5) (NM_012093) AAV Particle
Tag:	Myc-DDK
Symbol:	Adenylate kinase 5
Synonyms:	AK6
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC206127 representing NM_012093
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTGTTCTAAGCCCGAAGATCCAGTAGAATACTTGAAAGTTGTTTACAAAAAGTAAAGGAAGTGGGTG
 GCTGTGACAAGGTGAAATGGGATACATTTGTAAGCCAGGAAAAGAACCTTACCTCCACTAAATGGAGG
 ACAGTCACGGAGATCCTTTCTAAGAAATGTAATGCCTGGAAGTCAAACTTTCCATATCGGCGGTATGAC
 CGGCTCCCTCCATCCATCAATTCTCCATAGAAAGTGACACGGATCTCTCTGAGACTGCGGAGTTGATTG
 AGGAGTATGAGGTTTTGATCCTACCAGACCTCGACCAAAATCATTCTTGTTATAGGTGGTCCAGGAAG
 TGGAAAGGTTACTCAGAGTTTGAATATGCAGAACGATATGGATTCCAATACATTTCTGTGGGAGAATTA
 TTAAGAAAGAAGATCCACAGTACCAGCAGCAATAGGAAATGGAGTCTTATTGCCAAGATAATTACAAGT
 GAGAATTGGCCCGACAGGAAACAACATTACAGAGATAAAACAAAATTGATGCAAAATACCTGATGAAGA
 GGGCATTGTTATTGATGGATTTCCAAGAGATGTTGCCAGGCTCTATCTTTGAGGACCAATCTGTACC
 CCCGATTGGTGGTATTCTGGCTTGTGCTAATCAGAGACTCAAAGAAAGATTACTGAAGCGTGCAGAAC
 AGCAGGGCCGACAGACGACAATGTAAAGCTACCCAAAGGAGACTAATGAACCTCAAGCAGAATGCTGC
 TCCATTGGTTAAATACTTCCAGGAAAAGGGCTCATCATGACATTTGATGCCGACCGCATGAGGATGAG
 GTGTTCTATGACATCAGCATGGCAGTTGACAACAAGTTATTTCCAAACAAAGAGGCTGCAGCAGGTTCAA
 GTGACCTTGATCCTTCGATGATATTGGACACTGGAGAGATCATTGATACAGGATCTGATTATGAAGATCA
 GGGTGATGACCAAGTAAATGTATTGGAGAGGACACTATGGGAGGTTTCATGGAAGATTTGAGAAAGTGT
 AAAATTATTTTCATAATTGGTGGTCTGGCTCTGGCAAAGGCACACAGTGTGAAAAGCTGGTGGAAAAAT
 ATGGATTTACACATCTCTCAACTGGCGAGCTCCTGCGTGAGGAACTGGCATCAGAATCTGAAAGAAGCAA
 ATTGATCAGAGACATTATGGAACGTGGAGACCTGGTGCCTCAGGCATCGTTTTGGAGCTCCTGAAGGAG
 GCCATGGTGGCCAGCCTCGGGGACACAGGGGCTTCTGATTGACGGCTATCCTCGGAGGTGAAGCAAG
 GGAAGAGTTCCGACGCAGGATTGGAGACCCACAGTTGGTGTCTGTATGGACTGCTCGGCAGACACCAT
 GACCAACCGCCTTCTCCAAAGGAGCCGAGCAGCTGCCTGTGGACGACACCACCAAGACCATCGCCAAG
 CGCCTAGAAGCCTACTACCGAGCGTCCATCCCGTGATCGCCTACTACGAGACAAAACACAGCTACACA
 AGATAATGCAGAGGGAACACAGAGGACGTTTTCTTCAACTCTGCACAGCTATTGACTCTATTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MCSKPEDPVEYLESCLQKVKELGCDKVKWDTFVSQEKKTLPLNGGQSRRSFLRNVMPGNSNFPYRRYD
 RLPPIHQFSIESDTDLSETAELIEEYEVDPTRPRPKIILVIGGPGSGKGTQSLKIAERYGFQYISVGEL
 LRKKIHSTSSNRKWSLIAKIITGELAPQETTITEIKQKLMQIPDEEGIVIDGFPRDVAQALSFEDQICT
 PDLVVFLACANQRLKERLLKRAEQQGRPDNDVKATQRRMLMNFQNAAPLVKYFQEKGLIMTFDADRDEDE
 VFYDISMAVDNKLFPNKEAAAGSSDLDPMSILDTGEIIDTGSYEDQGGDQLNVFGEDTMGGFMEDLRKC
 KIIIFIIGGPGSGKGTQCEKLVEKYGFTHLSTGELLRELAESERSKLIRDIMERGDLVPSGIVLELLKE
 AMVASLGDTRGFLIDGYPREVKGEEFGRRIGDPQLVICMDCSADTMNRLQSRSSLPVDDTTKTIK
 RLEAYYRASIPVIAYYETKTLHKINAEGTPEDVFLQLCTAIDSIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_012093

ORF Size:

1608 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_012093.3</u>
RefSeq Size:	3937 bp
RefSeq ORF:	1611 bp
Locus ID:	26289
UniProt ID:	<u>Q9Y6K8</u>
Cytogenetics:	1p31.1
MW:	60.2 kDa