

Product datasheet for **RC222241A1V**

Human Adenylate kinase 5 (AK5) (NM_174858) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Adenylate kinase 5 (AK5) (NM_174858) 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:

>RC222241 representing NM_174858
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAACACCAACGATGCCAAGGAGTATCTGGCCCGGAGGAAATCCCTCAGCTTTTTGAGAGCCTTTTGA
 ATGGACTGATGTGTTCTAAGCCGAAGATCCAGTAGAATACTTGAAAGTTGTTTACAAAAAGTAAAGGA
 ACTGGGTGGCTGTGACAAGGTGAAATGGGATACATTTGTAAGCCAGGAAAAGAAGACCTTACCTCCA
 AATGGAGGACAGTCACGAGATCCTTTCTAAGAAATGTAATGCCTGAAAACCTCAAACCTTCCATATCGGC
 GGTATGACCGGCTCCCTCCAATCCATCAATTCTCCATAGAAAGTGACACGGATCTCTGAGACTGCGGA
 GTTGATTGAGGAGTATGAGGTTTTGATCCTACCAGACCTCGACCAAAATCATTCTGTTATAGGTGGT
 CCAGGAAGTGAAAGGTAATCAGAGTTTGAATTCGAGAACGATATGGATTCCAATACATTTCTGTGG
 GAGAATTATTAAGAAAGAAGATCCACAGTACCAGCAGCAATAGGAAATGGAGTCTTATTGCCAAGATAAT
 TACAATGGAGAATTGGCCCGACAGGAAACAACAATTACAGAGATAAAACAAAATTTGATGCAAAACCT
 GATGAAGAGGGCATTGTTATTGATGGATTTCCAAGAGATGTTGCCAGGCTCTATCTTTTGGAGACCAAA
 TCTGTACCCCGATTGTTGGTATTCTGGCTTGCTAATCAGAGACTCAAAGAAAGATTACTGAAGCG
 TGCAGAACAGCAGGGCCGACAGACGACAATGTAAAGCTACCCAAAGGAGACTAATGAACCTTCAAGCAG
 AATGCTGCTCCATTGTTAAATACTTCCAGGAAAGGGGCTCATCATGACATTTGATGCCGACCGCATG
 AGGATGAGGTGTTCTATGACATCAGCATGGCAGTTGACAACAAGTTATTTCCAAACAAAGAGGCTGCAGC
 AGGTTCAAGTGACCTTGATCCTTCGATGATATTGGACTGGAGAGATCATTGATACAGGATCTGATTAT
 GAAGATCAGGGTGATGACCAAGTAAATGTAATTTGGAGAGGACACTATGGGAGGTTTCATGGAAGATTGA
 GAAAGTGTAATTTATTTTATAATTTGGTGGTCTGGCTGGCAAAGGCACACAGTGTGAAAGCTGGT
 GGAAAAATATGGATTTACACATCTCTCACTGGCGAGCTCCTGCGTGAGGAACTGGCATCAGAATCTGAA
 AGAAGCAAATTTGATCAGAGACATTATGGAACGTGGAGACCTGGTGCCCTCAGGCATCGTTTTGGAGCTCC
 TGAAGGAGGCCATGGTGGCCAGCCTCGGGGACACAGGGGCTTCTGATTGACGGCTATCCTCGGAGGT
 GAAGCAAGGGGAAGAGTTCGGACGCAGGATTGGAGACCCACAGTTGGTATCTGTATGGACTGCTCGGCA
 GACACCATGACCAACCGCCTTCTCAAAGGAGCCGAGCAGCCTGCCTGTGGACGACACCAAGACCA
 TCGCAAGCGCCTAGAAGCCTACTACCGAGCGTCCATCCCGTGATCGCCTACTACGAGACAAAAACACA
 GCTACACAAGATAAATGCAGAGGGAACACCAGAGGACGTTTTTCTCACTCTGCACAGTATTGACTCT
 ATTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MNTNDAKEYLARREIPQLFESLLNGLMCSKPEDPVEYLESCLQKVKELGCCDKVWDTFVSQEKTLPL
 NGGQSRRSFLRNVPENSFPYRRYDRLPPIHQFSIESDLDLSETAELIEEYEVDPTRPRPKIILVIGG
 PGSGKGTQSLKIAERYGFQYISVGELLRKIHSTSSNRKWSLIAKIITTGELAPQETTITEIKQKLMQIP
 DEEGIVIDGFPRDVAQALSFEDQICTPDLVVFACANQRLKERLLKRAEQQGRPDNDNVKATQRRLMNFKQ
 NAAPLVKYFQEKGLIMTFDADRDEDEVFYDISMAVDNKLFPNKEAAAGSSDLDPMSMILDTGEIIDTGS
 EDQDDQLNVFGEDTMGGFMEDLRKCKIIFIIGGPGSGKGTQCEKLVEKYGFTHLSTGELLREELASESE
 RSKLIRDIMERGDLVPSGIVLELLKEAMVASLGDTRGFLIDGYPREVQKEEFGRRIIDPQLVICMDCSA
 DTMTNRLQLRSRSSLPVDDTTKTIKRLEAYYRASIPVIAYYETKTQLHKINAEGTPEDVFLQLCTAIDS
 IF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_174858
ORF Size:	1686 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_174858.1</u>
RefSeq Size:	3257 bp
RefSeq ORF:	1689 bp
Locus ID:	26289
UniProt ID:	<u>Q9Y6K8</u>
Cytogenetics:	1p31.1
MW:	63.2 kDa