

Product datasheet for **RC220361A1V**

Human AKT1 (NM_001014432) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human AKT1 (NM_001014432) AAV Particle
Tag:	Myc-DDK
Symbol:	AKT1
Synonyms:	AKT; PKB; PKB-ALPHA; PRKBA; RAC; RAC-ALPHA
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC220361 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAGCGACGTGGCTATTGTGAAGGAGGTTGGCTGCACAAACGAGGGAGTACATCAAGACCTGGCGGC
 CACGCTACTTCTCTCAAGAATGATGGCACCTTCATTGGCTACAAGGAGCGGCCGAGGATGTGGACCA
 ACGTGAGGCTCCCTCAACAACCTCTCTGTGGCGCAGTGCCAGCTGATGAAGACGGAGCGGCCCGGCC
 AACACCTTCATCATCCGCTGCCTGCAGTGGACCACTGTCATCGAACGCACCTTCATGTGGAGACTCCTG
 AGGAGCGGGAGGAGTGGACAACCGCCATCCAGACTGTGGCTGACGGCCTCAAGAAGCAGGAGGAGGAGGA
 GATGGACTTCCGGTCGGGCTCACCCAGTGACAACCTCAGGGGCTGAAGAGATGGAGGTGTCCCTGGCCAAG
 CCCAAGCACCGCGTGACCATGAACGAGTTTGTACCTGAAGCTGCTGGGCAAGGGCACTTCGGAAGG
 TGATCCTGGTGAAGGAGAAGGCCACAGCCGCTACTACGCCATGAAGATCCTCAAGAAGGAAGTCATCGT
 GGCCAAGGACGAGGTGGCCACACACTACCGAGAACCCTGCTGCAGAACTCCAGGCACCCCTTCCTC
 ACAGCCCTGAAGTACTCTTCCAGACCCACGACCGCTCTGCTTGTGATGGAGTACGCCAACGGGGGCG
 AGCTGTTCTTCCACCTGTCCCGGAGCGTGTGTCTCCGAGGACCGGGCCCGCTTCTATGGCGCTGAGAT
 TGTGTACGCCCTGGACTACCTGCACTCGGAGAAGAACGTGGTGTACCGGGACCTCAAGCTGGAGAACCTC
 ATGCTGGACAAGGACGGGCACATTAAGATCACAGACTTCGGGCTGTGCAAGGAGGGGATCAAGGACGGTG
 CCACCATGAAGACCTTTTGCGGCACCTGAGTACCTGGCCCCGAGGTGCTGGAGGACAATGACTACGG
 CCGTGCACTGGACTGGTGGGGCTGGGCGTGGTGTACGAGATGATGTGGGTGCGCTGCCCTTCTAC
 AACCAGGACCATGAGAAGCTTTTGTAGCTCATCTCATGGAGGAGATCCGCTTCCCGCGCACGCTTGGTC
 CCGAGGCCAAGTCCTTGTCTTTCAGGGCTGCTCAAGAAGGACCCCAAGCAGAGGCTTGGCGGGGCTCCGA
 GGACGCCAAGGAGATCATGCAGCATCGCTTCTTTCGGGTATCGTGTGGCAGCAGCTGTACGAGAAGAAG
 CTCAGCCACCCCTTAAGCCCCAGGTACGTGCGAGACTGACACCAGGTATTTTGTAGGAGTTACAGG
 CCCAGATGATACCATCACACCCTGACCAAGATGACAGCATGGAGTGTGTGGACAGCGAGCGCAGGCC
 CCATTTCCCCAGTTCTCTACTCGGCCAGCGGCACGGCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC220361 protein sequence
 Red=Cloning site Green=Tags(s)

MSDVAIVKEGWLHKGREYIKTWRPRYFLLKNDGTFIGYKERPDVDQREAPLNNSVAQCQLMKTERPRP
 NTFIIRCLQWTTVIERTFHVETPEEREETTAIQTVADGLKKQEEEEMDFRSGSPSDNSGAEEMEVS
 LAKPKHRVTMNEFEYLKLLGKGTGKVLVKEKATGRYYAMKILKEVIVAKDEVAHTLTENRVLQNSRHPFL
 TALKYSFQTHDRLCFVMEYANGGELFFHLRERVFSEDRARFYGAIEVSALDYLHSEKNVYRDLKLENL
 MLDKDGHIKITDFGLCKEIKDGATMKTFCGTPEYLAPEVLEDNDYGRAVDWWGLGVVMYEMMCGRLPFY
 NQDHEKLFELILMEEIRFPRTLGPPEAKSLLSGLLKDPKQRLGGGSEDAKEIMQHRFFAGIVWQHVEKK
 LSPPFPKQVTSETDTRYFDEEFTAQMITITPPDQDMSMECVDSERRPHFPQFSYASGTA

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001014432

ORF Size:

1440 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_001014432.1</u>
RefSeq Size:	2878 bp
RefSeq ORF:	1443 bp
Locus ID:	207
UniProt ID:	<u>P31749</u>
Cytogenetics:	14q32.33
MW:	55.7 kDa