

Product datasheet for **RC232795A1V**

Human AKT3 (NM_001206729) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human AKT3 (NM_001206729) AAV Particle
Tag:	Myc-DDK
Symbol:	AKT3
Synonyms:	MPPH; MPPH2; PKB-GAMMA; PKBG; PRKBG; RAC-gamma; RAC-PK-gamma; STK-2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC232795 representing NM_001206729
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCGATGTTACCATTGTGAAAGAAGGTTGGGTT**CAGAAGAGGGGAGAATATATAAAAACTGGAGGC**
CAAGATACTTCCTTTGAAGACAGATGGCTCATTCATAGGATATAAAGAGAAACCTCAAGATGTGGATTT
 ACCTTATCCCCTCAACA**ACTTTTCAGTGGCAAAATGCCAGT**TAATGAAAACAGAACGACCAAAGCCAAAC
 ACATTTATAATCAGATGTCTCCAGTGGACTACTGTTATAGAGAGAACATTT**CATGTAGATACTCCAGAGG**
 AAAGGGAAGAATGGACAGAAGCTATCCAGGCTGTAGCAGACAGACTGCAGAGGCAAGAAGAGGAGAGAAT
 GAATTGTAGTCCA**ACTTCACAAATTGATAAT**ATAGGAGAGGAAGAGATGGATGCCTCTACAACCCATCAT
 AAAAGAAAGACAATGAATGATTTT**GACTATTTGAACTACTAGG**TAAAGGCACCTTTGGGAAAGTTATTT
 TGTTTCGAGAGAAGGCAAGTGGAAA**ACTATGCTATGAAGAT**TCTGAAGAAAGAAGTCATTATTGCAA
 GGATGAAGTGGCACACTCTAACTGAAAGCAGAGTATTAAGA**AACTAGACATCCCTTTTAACTCC**
 TTGAAATATTCCTTCCAGACAAAAGACCGTTTGTGTTTGTGATGGAATATGTTAATGGGGCGAGCTGT
 TTTTCCATTTGT**CGAGAGAGCGGTGTTCTCTGAGGACCGCACACG**TTTCTATGGTGCAGAAATTGTCTC
 TGCCTTGGACTATCTACATTCCGGAAAGATTGTGTACC**GTGATCTCAAGTTGGAGAATCTAATGCTGGAC**
 AAAGATGGCCACATAAAAATTACAGATTTTGGACTTTGCAAAGAGGGATCACAGATGCAGCCACCATGA
 AGACATTCTGTGGCACTCCAGAATATCTGGCACCAGAGGTGTTAGAAGATAATGACTATGGCCGAGCAGT
 AGACTGGTGGGCCTAGGGT**TGTCATGTATGAAATGATGTGTGGGAGGT**TACCTTTCTACAACCCAGGAC
 CATGAGAACTTTTGAATTAATTAATGAAGACATTA**AATTTCTCGAACACTCTCTTCAGATGCAA**
 AATCATTGCTTTCAGGGCTCTTGATAAAGGATCCAAATAA**ACGCCTTGGTGGAGGACCAGATGATGCAA**
 AGAAATATGAGACACAGTTTCTCTGAGATAA**ACTGGCAAGATGATATGATAAAAAAGCTTGTACCT**
 CCTTTAAACCTCAAGTAACATCTGAGACAGATACTAGATATTTT**GATGAAGAATTTACAGCTCAGACTA**
 TTACAATAACACCACCTGAAAAATGTCAGCAATCAGATTGTGGC**ATGCTGGGTA**ACTGAAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232795 representing NM_001206729
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MSDVTIVKEGWVQKRGEYIKNWRPRYFLLKTDGSFIGYKEKPQDVLPYPLNNSVAKCQLMKTERPKPN
 TFIIRCLQWTTVIERTFHVDTPEEEREWTEAIQAVADRLQRQEEERMNCSPTSQIDNIGEEEMDASTHH
 KRKTMNDFDYLLGKGTFGKVLVREKASGKYAMKILKKEVIAKDEVAHTL TESRVLKNTRHPFLTS
 LKYSFQTKDRLCFVMEYVNGGELFFHL SRERVF SEDRTRFYGAEIVSALDYLSHGKIVYRDLKLENMLD
 KDGHIKITDFGLCKEGITDAATMKTFCGTPEYLAPEVLEDNDYGRAVDWWGLGVVMEYEMCGRLPFYNQD
 HEKLFELILMEDIKFPRTLSSDAKSLLSGLLIKDPNKRLGGPPDAKEIMRHSFFSGVNWQDVYDKKLV
 PFKPQVTSETDTRYFDEEFTAQITITITPPEKCCQSDCMLGNWKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001206729

ORF Size:

1395 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_001206729.1, NP_001193658.1</u>
RefSeq Size:	1584 bp
RefSeq ORF:	1398 bp
Locus ID:	10000
UniProt ID:	<u>Q9Y243</u>
Cytogenetics:	1q43-q44
MW:	54.1 kDa