

## Product datasheet for **MR227413A1V**

### Mouse Akt1 (NM\_001165894) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Mouse Akt1 (NM_001165894) AAV Particle
Tag:	Myc-DDK
Symbol:	Akt1
Synonyms:	Ak; Akt; LTR-akt; PK; PKB; PKB/A; PKB/Akt; PKBalpha; Rac
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>MR227413 representing NM\_001165894  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACGACGTAGCCATTGTGAAGGAGGCTGGCTGCACAACGAGGGGAATATATTAACCTGGCGGC  
 CACGCTACTTCTCCTCAAGAACGATGGCACCTTTATTGGCTACAAGGAACGGCCTCAGGATGTGGATCA  
 GCGAGAGTCCCCACTCAACAACCTTCTCAGTGGCACAATGCCAGCTGATGAAGACAGAGCGGCCAAGGCC  
 AACACCTTTATCATCCGCTGCCTGCAGTGGACCACAGTCATTGAGCGCACCTTCCATGTGGAAACGCCTG  
 AGGAGCGGGAAGAATGGGCCACCGCCATTAGACTGTGGCAGATGGACTCAAGAGGCAGGAAGAAGAGAC  
 GATGGACTTCCGATCAGGCTCACCCAGTGACAACCTCAGGGGCTGAAGAGATGGAGGTGTCCCTGGCCAAG  
 CCCAAGCACCGTGTGACCATGAACGAGTTTGTAGTACCTGAAGCTACTGGGCAAGGGCACCTTTGGGAAGG  
 TGATTCTGGTGAAGAGAAGGCCACAGGCCGCTACTATGCCATGAAGATCCTCAAGAAGGAGGTCATCGT  
 CGCCAAGGATGAGGTTGCCACACGCTTACTGAGAACCGTGTCTGCAGAACTCTAGGCATCCCTTCCTT  
 ACGGCCCTCAAGTACTCATTCCAGACCCACGACCGCCTGTCTTGTTCATGGAGTATGCCAACGGGGGCC  
 AGCTCTTCTTCCACCTGTCTCGAGAGCGTGTGTCTCCGAGGACCGGGCCGCTTCTATGGTGCGGAGAT  
 TGTGTCTGCCCTGGACTACTTGCCTCCGAGAAGAAGTGGTGTACCGGGACCTGAAGCTGGAGAACCTC  
 ATGCTGGACAAGGACGGGCACATCAAGATAACGGACTTCGGGCTGTGCAAGGAGGGGATCAAGGACGGTG  
 CCACTATGAAGACATTCTGCGGAACCGCGGAGTACCTGGCCCCGAGGTGCTGGAGGACAACGACTACGG  
 CCGTGCAGTGGACTGGTGGGGCTGGCGTGGTGTACGAGATGATGTGTGGCCGCTGCCCTTCTAC  
 AACAGGACCACGAGAAGCTGTTCGAGCTGATCCTCATGGAGGAGATCCGCTTCCCGCGCACACTCGGCC  
 CTGAGGCCAAGTCCCTGCTCTCCGGGCTGCTCAAGAAGGACCCTACACAGAGGCTCGGTGGGGGCTCCGA  
 GGATGCCAAGGAGATCATGCAGCACCGGTTCTTTGCCAACATCGTGTGGCAGGATGTGTATGAGAAGAAG  
 CTGAGCCACCTTTCAAGCCCCAGTCACTCTGAGACTGACACCAGGATTTTCGATGAGGAGTTCACAG  
 CTCAGATGATCACCATCACGCCGCTGATCAAGTTCTCTACTCAGCCAGTGGCACAGCCTGAGGCCGCTGG  
 GGCAGCGGCTGGCAGCTCCACGCTCCTCTGCATTGCCAGTCCAGAAGCCCCGCATGGATCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR227413 representing NM\_001165894  
 Red=Cloning site Green=Tags(s)

MNDVAIVKEGWLHHRGEYIKTWRPRYFLLKNDGTFIGYKERPDVDQRESPLNNSVAQCQLMKTERPRP  
 NTFIIRCLQWTTVIERTFHVETPEEREWATAIQTVADGLKRQEETMDFRSGSPSDNSGAEEMEVS  
 LAKPKHRVTMNEFEYLKLLGKGTGKLVILVKEKATGRYYAMKILKKEVIVAKDEVAHTLTENRVLQNSRHPFL  
 TALKYSFQTHDRLCFVMEYANGGELFFHL SRERVFSEDRARFYGAEIVSALDYLHSEKNVYRDLKLENL  
 MLDKDGHKIDTDFGLCKEIKDGATMKTFCGTPEYLAPEVLEDNDYGRAVDWWGLGVVMYEMMCGRLPFY  
 NQDHEKLFELILMEEIRFPRTLGPPEAKSLLSGLLKKDPTQRLGGGSEDAKEIMQHRFFANIVWQDVYEK  
 LSPPFKQVTSSETDRYFDEEFTAQMITITPPDQVLLLSQWHLRPGAAAGSSTLLCIAESRSPAWII

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Mouse

**Serotype:**

AAV-2

**ACCN:**

NM\_001165894

**ORF Size:**

1464 bp

**Buffer:**

PBS with 0.001% Pluronic F68

<b>Stability:</b>	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.
<b>RefSeq:</b>	<u>NM_001165894.1, NP_001159366.1</u>
<b>RefSeq Size:</b>	2657 bp
<b>RefSeq ORF:</b>	1467 bp
<b>Locus ID:</b>	11651
<b>UniProt ID:</b>	<u>P31750</u>
<b>Cytogenetics:</b>	12 61.2 cM
<b>MW:</b>	56.4 kDa