

Product datasheet for **MR226761A1V**

Mouse Akt2 (NM_001110208) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Akt2 (NM_001110208) AAV Particle
Tag:	Myc-DDK
Symbol:	Akt2
Synonyms:	2410016A19Rik; AW554154; PKB; PKBbeta
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>MR226761 representing NM_001110208
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGAGGTATCTGTTCATCAAGAAGGCTGGCTCCACAACCTGGTGAATACATCAAGACCTGGAGGC
 CACGGTACTTCCTTCTGAAGAGTGATGGATCTTTCATTGGGTATAAGGAGAGGCCGAGGCCCTGACCA
 GACCTTACCCCCCTGAACAATTTCTCTGTAGCAGAATGCCAGCTGATGAAGACTGAGAGGCCACGACCC
 AACACCTTTGTACATCGCTGCCTGCAGTGGACCACAGTCATCGAGAGGACCTTCCATGTAGACTCTCCAG
 ATGAGAGGGAAGAGTGGATGCGGGCTATCCAGATGGTCGCAACAGTCTGAAGCAGCGGGGCCAGGTGA
 GGACGCCATGGATTACAAGTGTGGCTCCCCAGTACTTCCACATCTGAGATGATGGAGTAGCTGTC
 AACAGGCACGGGCCAAAGTACCATGAATGACTTCGATTATCTCAAACCTCTCGCAAGGGCACCTTCG
 GCAAGGTCACTTGGTTCGAGAGAAGGCCACTGGCCGCTATTATGCCATGAAGATCCTGCGCAAGGAGGT
 CATCATGCAAAGGATGAAGTCGCCACACAGTCACAGAGAGCCGGGTTCTGCAGAATACCAGGCACCCC
 TTCTTACAGCCCTCAAGTATGCCTTCCAGACCATGACCGCCTATGCTTTGTGATGGAGTATGCCAACG
 GGGGTGAGCTGTTTTCCACCTCTCTCGGGAGCGAGTCTTACGGAGGATCGGGCGCGCTTTTATGGAGC
 AGAGATTGTGTGACTCTGGAGTATTTGCACTCGAGAGATGTGGTGTACCGTGACATCAAGCTGGAAAAC
 CTTATGTTGGCAAAGATGGCCACATCAAGTCACTGACTTTGGCTTGTGCAAAGAGGGCATCAGTGATG
 GAGCCACCATGAAAACCTTCTGTGGTACCCCGGAGTACTTGGCGCTGAGGTGCTAGAGGACAATGACTA
 TGGCGGAGCAGTGGACTGGTGGGGCTGGGTGTGGTGTATGAGATGATGTGTGGCCGCTGCCATTC
 TACAACAGGACCACGAGCGCCTCTTTGAGTCACTTATGGAGGAGATCCGCTTCCCGCACACTCG
 GGCCAGGGCCAAGTCCCTGCTGGCTGGACTGCTGAAGAAGGACCCAAAGCAGAGGCTCGGCGGAGTCC
 CAGTGATGCGAAGGAGGTGATGGAGCATAGATTCTTCTCAGCATCAACTGGCAGGACGTGGGTACAGAAA
 AAGCTCCTGCCACCTTCAAACCTCAGGTCACTTCAGAAGTGGACACAAGGTACTTTGATGACGAGTTCA
 CCGCCAGTCCATCAATCACACCCAGACCGATATGACAGCCTGGACCCGCTGGAAGTGGACACGCG
 GACGCACTTCCCCAGTTCTCTACTACGCCAGCATCCGAGAG

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226761 representing NM_001110208
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MNEVSVIKEGWLHHRGEYIKTWRPRYFLLKSDGSFIGYKERPEAPDQTLPLNNSVAECQLMKTERPRP
 NTFVIRCLQWTTVIERTFHVDSPPEREEWMRAIQMVANSLKQRGPGEDAMDYKCGSPSDSSTSEMMEVAV
 NKARAKVTMNFDFYLLKLGKTFGKVIIVREKATGRYYAMKILRKEVIAKDEVAHTVTESRVLQNRHP
 FLTALKYAFQTHDRLCFVMEYANGGELFFHLSRERVFTEDRARFYGAIEVSALEYLHSRDVYRDIKLEN
 LMLDKDGHIKITDFGLCKEGISDGATMKTFCGTPEYLAPEVLEDNDYGRAVDWGLGVVMEYEMCGRLPF
 YNQDHERLFELILMEEIRFPRTLGPAAKSLLAGLLKDKPKQRLGGGSDAKEVMEHRFFLSINWQDVVQK
 KLLPPFKPQVTSEVDTRYFDDEFTAQSITITPPDRYDSLDPLELDQRTHFPQFSYSASIRE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Mouse

Serotype:

AAV-2

ACCN:

NM_001110208

ORF Size:

1443 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_001110208.1</u>
RefSeq Size:	3199 bp
RefSeq ORF:	1446 bp
Locus ID:	11652
UniProt ID:	<u>Q60823</u>
Cytogenetics:	7 15.94 cM
MW:	55.7 kDa