

Product datasheet for **RC218186A1V**

Human CAMK2A (NM_015981) AAV Particle

Product data:

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|---------------------------|--|
| Product Type: | AAV Particles |
| Product Name: | Human CAMK2A (NM_015981) AAV Particle |
| Tag: | Myc-DDK |
| Symbol: | CAMK2A |
| Synonyms: | CAMKA; CaMKIIalpha; CaMKIINalpha; MRD53; MRT63 |
| Mammalian Cell Selection: | None |
| Vector: | pAAV-AC-Myc-DDK (PS100089) |



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ORF Nucleotide Sequence:

>RC218186 representing NM_015981
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCACCATCACCTGCACCCGCTTCACGGAAGAGTACCAGCTCTTCGAGGAATTGGGCAAGGGAGCCT
 TCTCGGTGGTGCAGAGGTGTGTGAAGGTGCTGGCTGGCCAGGAGTATGCTGCCAAGATCATCAACACAAA
 GAAGCTGTCAGCCAGAGACCATCAGAAGCTGGAGCGTGAAGCCCGCATCTGCCGCTGCTGAAGCACCCC
 AACATCGTCCGACTACATGACAGCATCTCAGAGGAGGGACACCACTACCTGATCTTCGACCTGGTCACTG
 GTGGGAACTGTTTGAAGATATCGTGGCCCGGAGTATTACAGTGAGGCGGATGCCAGTCACTGTATCCA
 GCAGATCTGGAGGCTGTGCTGCACTGCCACCAGATGGGGTGGTGCACCGGGACCTGAAGCCTGAGAAT
 CTGTTGCTGGCCTCAAGCTCAAGGGTGCCGAGTGAAGCTGGCAGACTTTGGCCTGGCCATAGAGGTGG
 AGGGGAGCAGCAGGCATGGTTTGGTTTGCAGGGACTCTGGATATCTCTCCCAGAAGTCTGCGGAA
 GGACCCGTACGGGAAGCCTGTGGACCTGTGGGCTTGTGGGGTCACTCTGTACATCTGCTGGTTGGGTAC
 CCCCCGTTCTGGGATGAGGACCAGCACCGCCTGTACCAGCAGATCAAAGCCGGCGCCTATGATTTCCCAT
 CGCCGGAATGGGACACTGTCACCCCGGAAGCAAGGATCTGATCAATAAGATGCTGACCATTAACCCATC
 CAAACGCATCACAGCTGCCGAAGCCCTTAAGCACCCCTGGATCTCGCACCGCTCCACCGTGGCATCTGC
 ATGCACAGACAGGAGACCGTGGACTGCCTGAAGAAGTTCAATGCCAGGAGGAACTGAAGGGAGCCATTC
 TCACCACGATGCTGGCCACCAGGAATCTCCGGAGGGAAGAGTGGGGGAAACAAGAAGAGCGATGGTGT
 GAAGAAAAGAAAGTCCAGTTCAGCGTTTCAAGTAAATGGAATCCTCAGAGAGCACCAACACCACCTCGAG
 GATGAAGACACCAAGTGCAGAAACAGGAAATTATAAAAGTGACAGAGCAGCTGATTGAAGCCATAAGCA
 ATGGAGATTTTGTGCTACACGAAGATGTGCGACCCCTGGCATGACAGCCTTCGAACCTGAGGCGCTGGG
 AACCTGGTTGAGGGCCTGGACTTCCATCGATTCTATTTTGAACCTGTGGTCCCGGAACAGCAAGCCC
 GTGCACACCACCTCCTGAATCCCACATCCACCTGATGGGCGACGAGTACGCTGCATCGCCTACATCC
 GCATCACGAGTACCTGGACGCTGGCGCATCCACGCACCGCCAGTCCGAGGAGACCCGTGTCTGGCA
 CCGCCGGGATGGCAAATGGCAGATCGTCCACTTCCACAGATCTGGGGCGCCCTCCGCTCTGCCCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218186 representing NM_015981
 Red=Cloning site Green=Tags(s)

MATITCTRFTEEYQLFEELGKGAFSVVRRVCVKVLAGQEYAAKIINTKKLSARDHQKLEREARICRLLKHP
 NIVRLHDSISEEGHYLIFDLVTGGELFEDIVAREYYSEADASHCIQQILEAVLHCHQMGGVHRDLKPEN
 LLLASKLKGAAVKLADFLAIEVEGEQQAWFGFAGTPGYLSPEVLRKDPYKPVLDWACGVILYILLVGY
 PPFWDEDQHRLYQQIKAGAYDFPSPEWDTVTPEAKDLINKMLTINPSKRITAAEALKHPWISHRSTVASC
 MHRQETVDCLKKFNARRKLKGAILTTLATRNFSGGKSGGNKSDGVKKRKSSESSVQLMESSESTNTTIE
 DEDTKVRKQEIIVKTEQLIEAISNGDFESYTKMCDPGMTAFEPEALGNLVEGLDFHRFYFENLWSRNSKP
 VHTTILNPHIHLMGDESACIAYIRITQYLDAGGIPRTAQSEETRVWHRDQKQIVHFHRSVPLPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_015981

ORF Size:

1467 bp

Buffer:

PBS with 0.001% Pluronic F68

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| 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_015981.2</u> |
| RefSeq Size: | 4836 bp |
| RefSeq ORF: | 1470 bp |
| Locus ID: | 815 |
| Cytogenetics: | 5q32 |
| MW: | 55.1 kDa |