

Product datasheet for **RC205202A1V**

Human CAMK2A (NM_171825) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CAMK2A (NM_171825) 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:

>RC205202 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCACCATCACCTGCACCCGCTTCACGAAGAGTACCAGCTCTTCGAGGAATTGGGCAAGGAGCCT
 TCTCGGTGGTGCAGAGGTGTGTGAAGGTGCTGGCTGGCCAGGAGTATGCTGCCAAGATCATCAACACAAA
 GAAGCTGTCAGCCAGAGACCATCAGAAGCTGGAGCGTGAAGCCCGCATCTGCCGCTGCTGAAGCACCCC
 AACATCGTCCGACTACATGACAGCATCTCAGAGGAGGGACACCACTACCTGATCTTCGACCTGGTCACTG
 GTGGGGAAGTGTGAAGATATCGTGGCCCGGAGTATTACAGTGAGGCGGATGCCAGTCACTGTATCCA
 GCAGATCTGGAGGCTGTGCTGCACTGCCACCAGATGGGGTGGTGCACCGGGACCTGAAGCCTGAGAAT
 CTGTTGCTGGCCTCCAAGCTCAAGGTGCCGAGTGAAGCTGGCAGACTTTGGCCTGGCCATAGAGGTGG
 AGGGGAGCAGCAGGCATGGTTTGGTTTTCAGGGACTCTGGATATCTCTCCCAGAAGTGTGCGGAA
 GGACCCGTACGGGAAGCCTGTGGACCTGTGGGCTTGTGGGGTCATCTGTACATCCTGCTGGTTGGGTAC
 CCCCCGTTCTGGGATGAGGACCAGCACCGCCTGTACAAGCAGATCAAAGCCGGCGCTATGATTTCCCAT
 CGCCGGAATGGGACACTGTACCCCGGAAGCAAGGATCTGATCAATAAGATGCTGACCATTAACCCATC
 CAAACGCATCACAGCTGCCGAAGCCCTTAAGCACCCCTGGATCTCGCACCGCTCCACCGTGGCATCTCTGC
 ATGCACAGACAGGAGACCGTGGACTGCCTGAAGAAGTTCAATGCCAGGAGGAACTGAAGGGAGCCATTC
 TCACCACGATGCTGGCCACCAGGAATCTCCGGAGGGAAGAGTGGGGGAAACAAGAAGAGCGATGGTGT
 GAAGGAATCCTCAGAGAGCACCACACCATCGAGGATGAAGACACCAAGTGCAGGAAACAGGAAATT
 AAAAAAGTGACAGAGCAGCTGATTGAAGCCATAAGCAATGGAGATTTTGAAGTCTACACGAAGATGTGCG
 ACCCTGGCATGACAGCCTTCGAACCTGAGGCCCTGGGGAACCTGGTTGAGGGCCTGGACTTCCATCGATT
 CTATTTTGAAAACCTGTGGTCCCGGAACAGCAAGCCCGTGCACACCAACCATCTGAATCCCCACATCCAC
 CTGATGGGCGACGAGTCAAGCTGCATCGCTACATCCGCATCACGCAGTACCTGGACGCTGGCGGCATCC
 CACGCACCGCCAGTCGAGGAGACCGTGTCTGGCACCGCGGGACGGCAAATGGCAGATCGTCCACTT
 CCACAGATCTGGGGCGCCCTCCGTCCTGCCCCAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205202 protein sequence
 Red=Cloning site Green=Tags(s)

MATITCTRFTEEQYLFEEELGKGAFSVVRRVCVKVLAGQEYAAKIINTKKLSARDHQKLEREARICRLKHP
 NIVRLHDSISEEGHYLIFDLVTGGELFEDIVAREYYSEADASHCIQQILEAVLHCHQMGGVVRDLKPEN
 LLLASKLKGAAVKLADFLAIEVEGEQAWFGFAGTPGYLSPEVLRKDPYGPVLDWACGVILYILLVGY
 PPFWDEDQHRLYKQIKAGAYDFPSPEWDTVTPEAKDLINKMLTINPSKRITAAEALKHPWISHRSTVASC
 MHRQETVDCLKKFNARRKLKGAILTTMLATRNFSGGKSGGNKSDGVKESSESTNTTIEDTKVRKQEI
 IKVTEQLIEAISNGDFESYTKMCDPGMTAFEPEALGNLVEGLDFHRFYFENLWSRNSKPVHTTILNPHIH
 LMGDESACIAYIRITQYLDAGGIPRTAQSEETRVWHRDQKQIVHFHRSAPSVLPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_171825

ORF Size:

1434 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_171825.1</u>
RefSeq Size:	4885 bp
RefSeq ORF:	1437 bp
Locus ID:	815
UniProt ID:	<u>Q9UQM7</u>
Cytogenetics:	5q32
MW:	54.1 kDa