

Product datasheet for **RC218145A1V**

Human CAMK2B (NM_172078) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CAMK2B (NM_172078) AAV Particle
Tag:	Myc-DDK
Symbol:	CAMK2B
Synonyms:	CAM2; CAMK2; CAMKB; CaMKIIbeta; MRD54
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC218145 representing NM_172078
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCACCACGGTGACCTGCACCCGCTTCACCAGCAGTACCAGCTCTACGAGGATATTGGCAAGGGG
 CTTTCTCTGTGGTCCGACGCTGTGTCAAGCTCTGCACCGCCATGAGTATGCAGCCAAGATCATCAACAC
 CAAGAAGCTGTACCCAGAGATCACCAGAAGCTGGAGAGAGAGGCTCGGATCTGCCGCCCTTCTGAAGCAT
 TCCAACATCGTGCGTCTCCACGACAGCATCTCCGAGGAGGGCTTCCACTACCTGGTCTTCGATCTGGTCA
 CTGGTGGGAGCTCTTTGAAGACATTGTGGCGAGAGTACTACAGCGAGGCTGATGCCAGTCACTGTAT
 CCAGCAGATCTGGAGGCCGTTCTCCATTGTACCAAATGGGGTCTCCACAGAGACCTCAAGCCGGAG
 AACCTGCTTCTGGCCAGCAAGTCAAAGGGGCTGCAGTGAAGCTGGCAGACTTCGGCCTAGCTATCGAGG
 TGCAGGGGACCAGCAGGCATGGTTTGGTTTCGCTGGCACACCAGGCTACCTGTCCCCTGAGTCTTCCG
 CAAAGAGCGTACGGCAAGCCCGTGGACATCTGGGCATGTGGGTGATCTGTACATCCTGCTCGTGGGC
 TACCCACCTTCTGGGACGAGGACCAGCAAGCTGTACCAGCAGATCAAGGCTGGTGCCTATGACTTCC
 CGTCCCCTGAGTGGGACACCGTCACTCCTGAAGCCAAAAACCTCATCAACCAGATGCTGACCATCAACCC
 TGCCAAGCGCATCACAGCCATGAGGCCCTGAAGCACCCGTGGGTCTGCCAACGCTCCACGGTAGCATCC
 ATGATGCACAGACAGGAGACTGTGGAGTGTCTGAAAAAGTTCAATGCCAGGAGAAAGCTCAAGGGAGCCA
 TCCTCACACCATGCTGGCCACACGGAATTTCTCAGTGGGCGAGACAGACCACCGCTCCGGCCACAATGTC
 CACCGCGGCTCCGGCACACCATGGGGCTGGTGAACAAGCCAAGAGTTACTCAACAAGAAAGCAGAT
 GGAGTCAAGCCCAGACGAATAGCACAAAAACAGTGCAGCCGCCACCAGCCCCAAAGGGACGCTTCTC
 CTGCCGCCCTGGAGCCTCAAACCACCGTCAATCCATAACCCAGTGGACGGGATTAAGGAGTCTTCTGACAG
 TGCCAATACCACCATAGAGGATGAAGACGCTAAAGCCCGAAGCAGGAGATCATTAAAGACCACGGAGCAG
 CTCATCGAGGCCGTCACAACCGTGACTTTGAGGCCTACGCGAAAATCTGTGACCAGGGCTGACCTCGT
 TTGAGCCTGAAGCACTGGGCAACCTGGTTGAAGGGATGGACTTCCACAGATTCTACTTCGAGAACCTGCT
 GGCCAAGAACAGCAAGCCGATCCACACGACCATCCTGAACCCACACGTCACGTCATTGGAGAGGATGCC
 GCCTGCATCGCTTACATCCGGCTCACGCAGTACATTGACGGGCAGGGCCGGCCCCGACCAGCCAGTCTG
 AGGAGACCCGCGTGTGGCACCGCCGACGGCAAGTGGCAGAACGTGCACTTCCACTGCTCGGGCGCGCC
 TGTGGCCCCGCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MATTVTCTRFTDEYQLYEDIGKGAFSVVRRCVKLCTGHEYAAKIINTKKLSARDHQKLEREARICRLK
 SNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYSEADASHCIQQILEAVLHCHQMGGVVRDLKPE
 NLLLASKCKGAAVKLADFLAIEVQGDQAWFGFAGTPGYLSPEVLRKEAYGKPVDIWACGVILYILLVG
 YPPFWDEDQHKLYQQIKAGAYDFPSPWDVTPEAKNLINQMLTINPAKRITAEALKHPWVCQRSTVAS
 MMHRQETVECLKKFNARRKLGAILTTMLATRNF SVGRQTTAPATMSTAASGTTMGLVEQAQKSLNKKAD
 GVKPQTNSTKNSAAATSPKGTLPAALEPQTTVIHNPVDGIKESSDSANTTIEDEDAKARKQEI IKTTEQ
 LIEAVNNGDFEAYAKICDPGLTSFEPEALGNLVEGMDFHRFYFENLLAKNSKPIHTTILNPHVHVIGEDA
 ACIAYIRLTQYIDGQGRPRTSQSEETRVWHRDGGKQWQNVHFHCSGAPVAPLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_172078

ORF Size:	1626 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_172078.1</u>
RefSeq Size:	2066 bp
RefSeq ORF:	1629 bp
Locus ID:	816
UniProt ID:	<u>Q13554</u>
Cytogenetics:	7p13
MW:	60.2 kDa