

Product datasheet for **RC205669A1V**

Human CAMK2B (NM_172081) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CAMK2B (NM_172081) 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:

>RC205669 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCACCACGGTGACCTGCACCCGCTTCACCAGCAGTACCAGCTCTACGAGGATATTGGCAAGGGG
 CTTTCTGTGGTCCGACGCTGTGTCAAGCTCTGCACCGCCATGAGTATGCAGCCAAGATCATCAACAC
 CAAGAAGCTGTAGCCAGAGATCACCAGAAGCTGGAGAGAGAGGCTCGGATCTGCCGCCCTTCTGAAGCAT
 TCCAACATCGTGCGTCTCCACGACAGCATCTCCGAGGAGGGCTTCCACTACCTGGTCTTCGATCTGGTCA
 CTGGTGGGAGCTCTTTGAAGACATTGTGGCAGAGAGTACTACAGCGAGGCTGATGCCAGTCACTGTAT
 CCAGCAGATCTGGAGGCCGTTCTCCATTGTACCAAATGGGGTCTCCACAGAGACCTCAAGCCGGAG
 AACCTGCTTCTGGCCAGCAAGTCAAAGGGGCTGCAGTGAAGCTGGCAGACTTCGGCCTAGCTATCGAGG
 TGCAGGGGACCAGCAGGCATGGTTTGGTTTCGCTGGCACACCAGGCTACCTGTCCCCTGAGTCTTCCG
 CAAAGAGCGGTATGGCAAGCCTGTGGACATCTGGGCATGTGGGTGATCTGTACATCCTGCTCGTGGC
 TACCCACCTTCTGGGACGAGGACCAGCAAGCTGTACCAGCAGATCAAGGCTGGTGCCTATGACTTCC
 CGTCCCCTGAGTGGGACACCGTCACTCCTGAAGCCAAAACCTCATCAACCAGATGCTGACCATCAACCC
 TGCCAAGCGCATCACAGCCATGAGGCCCTGAAGCACCCGTGGGTCTGCCAACGCTCCACGGTAGCATCC
 ATGATGCACAGACAGGAGACTGTGGAGTGTCTGAAAAGTTCAATGCCAGGAGAAAGCTCAAGGGAGCCA
 TCCTCACCACCATGCTGGCCACACGGAATTTCTCAGCAGCCAAGAGTTTACTCAACAAGAAAGCAGATGG
 AGTCAAGCCCCAGACGAATAGCACAAAAACAGTGCAGCCGCCACCAGCCCCAAGGGACGCTTCTCTCT
 GCCGCCCTGGAGTCTTCTGACAGTGCCAATACCACCATAGAGGATGAAGACGCTAAAGCCCCGAAGCAGG
 AGATCATTAAAGACCACGGAGCAGCTCATCGAGCCGTAACAACGGTGACTTTGAGGCCTACGCGAAAAT
 CTGTGACCCAGGGCTGACCTCGTTTGGCCCTGAAGCACTGGGCAACCTGGTTGAAGGGATGGACTTCCAC
 AGATTCTACTTCGAGAACCTGCTGGCCAAGAACAGCAAGCCGATCCACACGACCATCCTGAACCCACAG
 TGCACGTATTGGAGAGGATGCCGCTGCATCGCTTACATCCGGCTCACGCAGTACATTGACGGGACGGG
 CCGGCCCCGACCAGCCAGTCTGAGGAGACCCGCTGTGGCACCCGCCGACGGCAAGTGGCAGAACGTG
 CACTTCCACTGCTCGGGCGCCTGTGGCCCCGCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205669 protein sequence
 Red=Cloning site Green=Tags(s)

MATTVTCTRFTDEYQLYEDIGKGAFSVVRRCVKLCTGHEYAAKIINTKKLSARDHQKLEREARICRLKH
 SNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYYSEADASHCIQQILEAVLHCHQMGGVVRDLKPE
 NLLLASKCKGAAVKLADFLAIEVQDQQAQWFGAGTPGYLSPEVLRKEAYGKPVDIWACGVILYILLVG
 YPPFWDEDQHKLYQQIKAGAYDFPSPEWDTVTPEAKNLINQMLTINPAKRITAHEALKHPWVCQRSTVAS
 MMHRQETVECLKKFNARRKLGAILTTMLATRNFSAAKSLLNKKADGVKPTNSTKNSAAATSPKGLTLP
 AALESSDSANTTIEDEDAKARKQEI IKTTEQLIEAVNNGDFEAYAKICDPGLTSFEPEALGNLVEGMDFH
 RYFENLLAKNSKPIHTTILNPHVHIGEDAACIAYIRLTQYIDGQGRPRTSQSEETRVWHRDGGKWQNV
 HFHCSGAPVAPLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_172081

ORF Size:

1509 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_172081.1</u>
RefSeq Size:	4097 bp
RefSeq ORF:	1512 bp
Locus ID:	816
UniProt ID:	<u>Q13554</u>
Cytogenetics:	7p13
MW:	56.4 kDa