

Product datasheet for **RC218194A1V**

Human **CAMK2B (NM_172079)** AAV Particle

Product data:

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



ORF Nucleotide Sequence: >RC218194 representing NM_172079
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCACCACGGTGACCTGCACCCGCTTACCGACGAGTACCAGCTCTACGAGGATATTGGCAAGGGG
 CTTTCTCTGTGGTCCGACGCTGTGTCAAGCTCTGCACCGGCCATGAGTATGCAGCCAAGATCATCAACAC
 CAAGAAGCTGTAGCCAGAGATCACCAGAAGCTGGAGAGAGAGGCTCGGATCTGCCGCTTCTGAAGCAT
 TCCAACATCGTGCCTCTCCACGACAGCATCTCCGAGGAGGGCTTCCACTACCTGGTCTTCGATCTGGTCA
 CTGGTGGGAGCTCTTTGAAGACATTGTGGCGAGAGAGTACTACAGCGAGGCTGATGCCAGTCACTGTAT
 CCAGCAGATCCTGGAGGCCGTTCTCCATTGTACCAATGGGGTCTGCCACAGAGACCTCAAGCCGGAG
 AACCTGCTTCTGGCCAGCAAGTGCAAGGGGCTGCAGTGAAGCTGGCAGACTTCGGCCTAGCTATCGAGG
 TGCAGGGGGACAGCAGGCATGGTTTGGTTTCTGGTGGCACACAGGCTACCTGTCCCTGAGGTCTTTCG
 CAAAGAGGCGTATGGCAAGCCTGTGGACATCTGGGCATGTGGGTGATCCTGTACATCTGCTCGTGGG
 TACCCACCCTTCTGGGACGAGGACAGCACAAGCTGTACCAGCAGATCAAGGCTGGTGCCTATGACTTCC
 CGTCCCTGAGTGGGACACCGTCACTCCTGAAGCCAAAAACCTCATCAACCAGATGTGACCATCAACCC
 TGCCAAGCGCATCACAGCCATGAGGCCCTGAAGCACCCTGGGTCTGCCAAGCTCCACGGTAGCATCC
 ATGATGCACAGACAGGAGACTGTGGAGTGTCTGAAAAATTCAATGCCAGGAGAAAGCTCAAGGGAGCCA
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 AGTCAAGCCCCAGACGAATAGCACCAAAAAACAGTGCAGCCGCCACAGCCCCAAAGGGACGCTTCTCCT
 GCCGCCCTGGAGCCTCAAACACCGTCACTCAACCCAGTGGACGGGATTAAGGAGTCTTCTGACAGTG
 CCAATACCACCATAGAGGATGAAGACGCTAAAGCCCGAAGCAGGAGATCATTAGACCACGGAGCAGCT
 CATCGAGGCGGTCAACAACGGTGACTTTGAGGCCTACGCGAAAATCTGTGACCCAGGGCTGACCTCGTTT
 GAGCCTGAAGCACTGGGCAACCTGGTTGAAGGGATGGACTTCCACAGATTCTACTTCGAGAACCTGCTGG
 CCAAGAACAGCAAGCCGATCCACACGACCATCTGAACCCACACGTGCACGTCAATTGGAGAGGATGCCGC
 CTGCATCGCTTACATCCGGCTCAGCAGTACATTGACGGGCAGGGCCGCCGCCACAGCCAGTCTGAG
 GAGACCCGCGTGTGGCACCGCCGACGGCAAGTGGCAGAACGTGCACTTCCACTGCTCGGGCGCGCCTG
 TGGCCCGCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218194 representing NM_172079
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MATTVTCTRFTDEYQLYEDIGKGAFSVVRRVCVKLCTGHEYAAKIINTKKLSARDHQKLEREARICRLKH
 SNIVRLHDSISEGFHYLVFDLVTGGELFEDIVAREYYSEADASHCIQQILEAVLHCHQMVGVRDLKPE
 NLLASKCKGAAYKLADFLAIEVQGDQAWFGFAGTPGYLSPEVLRKEAYGKPVDIWACGVILYILLVG
 YPPFWDEDQHKLYQQIKAGAYDFPSPEWDTVTPEAKNLINQMLTINPAKRITAEALKHPWVCQRSTVAS
 MMHRQETVECLKKFNARRKLGAILTTLATRNFSAAKSLLNKKADGVKPTNSTKNSAAATSPKGTLP
 AALEPQTTVIHNPVDGIKESSDSANTTIEDEDAKARKQEIITTEQLIEAVNNGDFEAYAKICDPGLTSF
 EPEALGNLVEGMDFHRFYFENLLAKNSKPIHTTILNPHVHVIGEDAACIAYIRLTQYIDGQGRPRTSQSE
 ETRVWHRRDGKWQNVFHCSPVAPLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human
Serotype: AAV-2
ACCN: NM_172079
ORF Size: 1554 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:	NM_172079.1 , NP_742076.1
RefSeq Size:	1994 bp
RefSeq ORF:	1557 bp
Locus ID:	816
UniProt ID:	Q13554
Cytogenetics:	7p13
MW:	57.8 kDa