

Product datasheet for **RC218366A1V**

Human CAMK2B (NM_172084) AAV Particle

Product data:

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|---------------------------|---------------------------------------|
| Product Type: | AAV Particles |
| Product Name: | Human CAMK2B (NM_172084) 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:

>RC218366 representing NM_172084
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCACCACGGTGACCTGCACCCGCTTCACCAGCAGTACCAGCTCTACGAGGATATTGGCAAGGGG
 CTTTCTGTGGTCCGACGCTGTGTCAAGCTCTGCACCGCCATGAGTATGCAGCAAGATCATCAACAC
 CAAGAAGCTGTACCCAGAGATCACCAGAAGCTGGAGAGAGAGGCTCGGATCTGCCGCCCTTCTGAAGCAT
 TCCAACATCGTGCCTCCACGACAGCATCTCCGAGGAGGGCTTCCACTACCTGGTCTTCGATCTGGTCA
 CTGGTGGGAGCTCTTTGAAGACATTGTGGCAGAGAGTACTACAGCGAGGCTGATGCCAGTCACTGTAT
 CCAGCAGATCTGGAGGCCGTTCTCCATTGTACCAAATGGGGTCTCCACAGAGACCTCAAGCCGGAG
 AACCTGCTTCTGGCCAGCAAGTCAAAGGGGCTGCAGTGAAGCTGGCAGACTTCGGCCTAGCTATCGAGG
 TGCAGGGGACCAGCAGGCATGGTTTGGTTTCGCTGGCACACCAGGCTACCTGTCCCCTGAGTCTTCCG
 CAAAGAGCGGTATGGCAAGCCTGTGGACATCTGGGCATGTGGGGTATCTGTACATCTGCTCGTGGGC
 TACCCACCTTCTGGGACGAGGACCAGCAAGCTGTACCAGCAGATCAAGGCTGGTGCCTATGACTTCC
 CGTCCCCTGAGTGGGACACCGTCACTCCTGAAGCCAAAAACCTCATCAACCAGATGCTGACCATCAACCC
 TGCCAAGCGCATCACAGCCATGAGGCCCTGAAGCACCCGTGGGTCTGCCAACGCTCCACGGTAGCATCC
 ATGATGCACAGACAGGAGACTGTGGAGTGTCTGAAAAAGTTCAATGCCAGGAGAAAGCTCAAGGGAGCCA
 TCCTCACCACCATGCTGGCCACACGGAATTTCTCAGCCCGAAGCAGGAGATCATTAAAGACCACGGAGCA
 GCTCATCGAGGCCGTCACAACGGTGACTTTGAGGCCTACGCGAAAATCTGTGACCCAGGGCTGACCTCG
 TTTGAGCCTGAAGCACTGGGCAACCTGGTTGAAGGGATGGACTCCACAGATTCTACTTCGAGAACCTGC
 TGGCCAAGAACAGCAAGCCGATCCACACGACCATCCTGAACCCACACGTGCACGTCATTGGAGAGGATGC
 CGCCTGCATCGCTTACATCCGGCTCACGAGTACATTGACGGGCAGGGCCGCCCCGCACCAGCCAGTCT
 GAGGAGACCCGCTGTGGCACCCGCCGACGGCAAGTGGCAGAAGCTGCACCTTCCACTGCTCGGGCGCGC
 CTGTGGCCCCGCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218366 representing NM_172084
 Red=Cloning site Green=Tags(s)

MATTVTCTRFDEYQLYEDIGKGAFSVVRRCVKLCTGHEYAAKIINTKKLSARDHQKLEREARICRLKH
 SNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYYSEADASHCIQQILEAVLHCHQMGMVVHRDLKPE
 NLLLASKCKGAAVKLADFLAIEVQGDQAWFGFAGTPGYLSPEVLRKEAYGKPVDIWACGVILYILLVG
 YPPFWDEDQHKLYQQIKAGAYDFPSPEWDTVTPEAKNLINQMLTINPAKRITAHEALKHPWVCQRSTVAS
 MMHRQETVECLKKFNARRKLGAILTTMLATRNFSARKQEI IKTTEQLIEAVNNGDFEAYAKICDPGLTS
 FEPEALGNLVEGMDFHRFYFENLLAKNSKPIHTTILNPHVHVIGEDAACIAYIRLTQYIDGQGRPRSTSQ
 EETRVWHRRDQKQNVHFHCSGAPVAPLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_172084

ORF Size:

1347 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_172084.1</u> |
| RefSeq Size: | 1787 bp |
| RefSeq ORF: | 1350 bp |
| Locus ID: | 816 |
| UniProt ID: | <u>Q13554</u> |
| Cytogenetics: | 7p13 |
| MW: | 50.8 kDa |