

## Product datasheet for **RC221243A1V**

### Human CAMK2G (NM\_001222) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human CAMK2G (NM_001222) AAV Particle
Tag:	Myc-DDK
Symbol:	CAMK2G
Synonyms:	CAMK; CAMK-II; CAMKG; MRD59
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>RC221243 representing NM\_001222  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCACCACCGCCACCTGCACCCGTTTCACCGACGACTACCAGCTCTTCGAGGAGCTTGGCAAGGGTG  
 CTTTCTCTGTGGTCCGCAGGTGTGTGAAGAAAACCTCCACGCAGGAGTACGCAGCAAAAATCATCAATAC  
 CAAGAAGTTGTCTGCCCGGGATCACCAGAACTAGAACGTGAGGCTCGGATATGTCGACTTCTGAAACAT  
 CCAAACATCGTGCGCCTCCATGACAGTATTTCTGAAGAAGGGTTTCACTACCTCGTGTGGACCTTGTTA  
 CCGGGGGGAGCTGTTTGAAGACATTGTGGCCAGAGAGTACTACAGTGAAGCAGATGCCAGCCACTGTAT  
 ACATCAGATTCTGGAGAGTGTAAACCACATCCACCAGCATGACATCGTCCACAGGGACCTGAAGCCTGAG  
 AACCTGCTGCTGGCGAGTAAATGCAAGGGTGCCCGCTCAAGCTGGCTGATTTTGGCCTAGCCATCGAAG  
 TACAGGGAGAGCAGCAGGCTTGGTTTGGTTTGTGGCAGCCAGGTTACTTGTCCCTGAGGTCTTGAG  
 GAAAGATCCCTATGAAAACCTGTGGATATCTGGCCTCGGGGTATCTGTATATCCTCCTGGTGGC  
 TATCCTCCCTTCTGGGATGAGGATCAGCACAAGCTGTATCAGCAGATCAAGGCTGGAGCCTATGATTTCC  
 CATCACCAGAATGGGACACGGTAACTCCTGAAGCCAAGAAGTGTATCAACCAGATGCTGACCATAAACCC  
 AGCAAAGCGCATCACGGCTGACCAGGCTCTCAAGCACCCGTGGGTCTGTCAACGATCCACGGTGGCATCC  
 ATGATGCATCGTCAGGAGACTGTGGAGTGTTCGCAAGTTCAATGCCCGGAGAAAACCTGAAGGGTGCCA  
 TCCTCACGACCATGCTTGTCTCCAGGAAGTCTCAGCTGCCAAAAGCCTATTGAACAAGAAGTCGGATGG  
 CGGTGTCAAGGAGCCACAAACCACTGTGGTACACAACGCTACAGATGGGATCAAGGGCTCCACAGAGAGC  
 TGCAACACCACCACAGAAGATGAGGACCTCAAAGTGCAGAAAACAGGAGATCATTAAAGATTACAGAACAGC  
 TGATTGAAGCCATCAACAATGGGACTTTGAGGCCTACACGAAGATTTGTGATCCAGGCCTCATTCCTT  
 TGAGCCTGAGGCCCTTGGTAACCTCGTGGAGGGATGGATTTCCATAAGTTTTACTTTGAGAATCTCCTG  
 TCCAAGAACAGCAAGCCTATCCATACCACATCCTAAACCCACACGTCACGTCGATTGGGAGGACGCGAG  
 CGTGCATCGCCTACATCCGCTCACCCAGTACATCGACGGCAGGGTCGGCCTCGCACCAGCCAGTCAAG  
 AGAGACCCGGTCTGGCACCGTGGGATGGCAAGTGGCTCAATGTCCACTATCACTGCTCAGGGGCCCT  
 GCCGCACCGCTGCAG

**ACGGT**ACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

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MATTATCTRFDDYQLFEELGKGAFSVVRRCKKSTSTQEYAAKIINTKKLSARDHQKLEREARICRLKH  
 PNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYYSEADASHCIHQILESVDNHIHQHDIVHRDLKPE  
 NLLLASKCKGAAVKLADFLAIEVQGEQQAWFGAGTPGYLSPEVLRKDPYKPVDIWACGVILYILLVG  
 YPPFWDEDQHKLYQQIKAGAYDFPSPEWDTVTPEAKNLINQMLTINPAKRITADQALKHPWVCQRSTVAS  
 MMHRQETVECLRKFNARRKLGAILTTMLVSRNFSAAKSLLNKSDGGVKEPQTTVVHNAIDGKIGSTES  
 CNTTTEDEDLKVRKQEI IKITEQLIEAINNGDFEAYTKICDPGLTSFEPEALGNLVEGMDFHKFYFENLL  
 SKNSKPIHTTILNPHVHVI GEDAACIAYIRLTQYIDGQGRPRTSQSEETRWHRRDQKWLNVHYHCSGAP  
 AAPLQ

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_001222

**ORF Size:**

1485 bp

<b>Buffer:</b>	PBS with 0.001% Pluronic F68
<b>Stability:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_001222.2</a></u>
<b>RefSeq Size:</b>	3638 bp
<b>RefSeq ORF:</b>	1488 bp
<b>Locus ID:</b>	818
<b>UniProt ID:</b>	<u><a href="#">Q13555</a></u>
<b>Cytogenetics:</b>	10q22.2
<b>MW:</b>	55.8 kDa