

Product datasheet for **RC205437A1V**

Human CAMK2G (NM_172169) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CAMK2G (NM_172169) 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:

>RC205437 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACCACCGCCACCTGCACACGTTTCACCGACGACTACCAGCTCTTCGAGGAGCTTGGCAAGGGTG
 CTTTCTCTGTGGTCCGCAGGTGTGTGAAGAAAACCCACGCAGGAGTACGCAGCAAAAATCATCAATAC
 CAAGAAATTGTCTGCCCGGGATCACCAGAACTAGAACGTGAGGCTCGGATATGTCGACTTCTGAAACAT
 CCAAACATCGTGCGCCTCCATGACAGTATTTCTGAAGAAGGGTTTCACTACCTCGTGTGGACCTTGTTA
 CCGGGGGGAGCTGTTTGAAGACATTGTGGCCAGAGAGTACTACAGTGAAGCAGATGCCAGCCACTGTAT
 ACATCAGATTCTGGAGAGTGTAAACCACATCCACCAGCATGACATCGTCCACAGGGACCTGAAGCCTGAG
 AACCTGCTGCTGGCGAGTAAATGCAAGGGTGCCCGCTCAAGCTGGCTGATTTTGGCCTAGCCATCGAAG
 TACAGGGAGAGCAGCAGGCTTGGTTTGGTTTGGTGGCACCCAGGTTACTTGTCCCTGAGGTCTTGAG
 GAAAGATCCCTATGAAAACCTGTGGATATCTGGCCTCGGGGTATCTGTATATCCTCCTGGTGGGC
 TATCCTCCCTTCTGGGATGAGGATCAGCACAAGCTGTATCAGCAGATCAAGGCTGGAGCCTATGATTTCC
 CATCACCAGAATGGGACACGGTAACTCCTGAAGCCAAGAATTGATCAACCAGATGCTGACCATAAACCC
 AGCAAAGCGCATCACGGCTGACCAGGCTCTCAAGCACCCGTGGGTCTGTCAACGATCCACGGTGGCATCC
 ATGATGCATCGTCAGGAGACTGTGGAGTGTTCGCAAGTTCAATGCCCGGAGAAAACCTGAAGGGTGCCA
 TCCTCACGACCATGCTTGTCTCCAGGAACTTCTCAGTTGGCAGGCAGAGCTCCGCCCCCGCTCGCTGC
 CGCGAGCGCCCGCCCTGGCCGGGCAAGCTGCCAAAAGCCTATTGAACAAGAAGTCGGATGGCGGTGTC
 AAGAAAAGGAAGTCGAGTTCAGCGTGCACCTAATGGAGCCACAACCACTGTGGTACACAACGCTACAG
 ATGGGATCAAGGGCTCCACAGAGAGCTGCAACACCACAGAAGATGAGGACCTCAAAGTGCGAAAAACA
 GGAGATCATTAAAGATTACAGAACAGCTGATTGAAGCCATCAACAATGGGGACTTTGAGGCCTACACGAAG
 ATTTGTATCCAGGCCTCACTTCTTTGAGCCTGAGGCCCTTGGTAACCTCGTGGAGGGGATGGATTTCC
 ATAAGTTTACTTTGAGAATCTCCTGTCAAAGAACAGCAAGCCTATCCATACCACCATCTAAACCCACA
 CGTCCACGTGATTGGGGAGGACGCAGCGTGCATCGCTACATCCGCTCACCCAGTACATCGACGGGCGAG
 GGTCCGCTCGCACCAGCCAGTCAGAAGAGACCCGGTCTGGCACCGTCCGGATGGCAAGTGCTCAATG
 TCCACTACTGCTCAGGGGCCCTGCCGCACCGCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205437 protein sequence
 Red=Cloning site Green=Tags(s)

MATTATCTRFDDYQLFEELGKGAFSVVRRCVKKTPTQEYAAKIINTKKLSARDHQKLEREARICRLLKH
 PNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYYSEADASHCIHQILESVNHIHQHDIVHRDLKPE
 NLLLASKCKGAAVKLADFLAIEVQGEQQAWFGAGTPGYLSPEVLRKDPYGKPVDIWACGVILYILLVG
 YPPFWDEDQHKLQQIKAGAYDFPSPEWDTVTPEAKNLINQMLTINPAKRITADQALKHPWVCQRSTVAS
 MMHRQETVECLRKFNARRKLKGAILTTMLVSRNFSVGRQSSAPASPAASAAGLAGQAASLLNKKSDGGV
 KKRKSSSSVHLMPEPQTTVVHNATDGIKSTESNTTTEDEDLKVRKQEI IKITEQLIEAINNGDFEAYTK
 ICDPGLTSFEPEALGNLVEGMDFHKFYFENLLSKNSKPIHTTILNPHVHVIGEDAACIAYIRLTQYIDGG
 GRPRTSQSEETRVWHRDGKWLNVHYHCSGAPAAPLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_172169

ORF Size:

1581 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_172169.1</u>
RefSeq Size:	3731 bp
RefSeq ORF:	1584 bp
Locus ID:	818
UniProt ID:	<u>Q13555</u>
Cytogenetics:	10q22.2
MW:	59 kDa