

Product datasheet for **RC218801A1V**

Human CAMK2D (NM_172115) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CAMK2D (NM_172115) AAV Particle
Tag:	Myc-DDK
Symbol:	CAMK2D
Synonyms:	CAMKD
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC218801 representing NM_172115
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCTTCGACCACAACCTGCACCAGGTTACGGACGAGTATCAGCTTTTCGAGGAGCTTGAAAGGGG
 CATTCTCAGTGGTGAGAAGATGTATGAAATTCCTACTGGACAAGAATATGCTGCCAAAATTATCAACAC
 CAAAAAGCTTTCTGCTAGGGATCATCAGAACTAGAAAGAGAAGCTAGAATCTGCCGCTTTTGAAGCAC
 CCTAATATTGTGCGACTTCATGATAGCATATCAGAAGAGGGCTTTCCTACTTGGTGTGTTGATTTAGTTA
 CTGGAGGTGAAGTGTGTAAGACATAGTGGCAAGAGAATACTACAGTGAAGCTGATGCCAGTCATTGTAT
 ACAGCAGATTCTAGAAAGTGTTAATCATTGTACCTAAATGGCATAGTTCACAGGGACCTGAAGCCTGAG
 AATTTGCTTTTAGCTAGCAAATCCAAGGGAGCAGCTGTGAAATTGGCAGACTTTGGCTTAGCCATAGAAG
 TTCAAGGGGACCAGCAGGCGTGGTTTGGTTTGGTGGCACACCTGGATATCTTTCTCCAGAAGTTTTACG
 TAAAGATCCTTATGAAAGCCAGTGGATATGTGGGCATGTGGTGTCTTCTATATTCTACTTGTGGG
 TATCCACCTTCTGGGATGAAGACCAACACAGACTCTATCAGCAGATCAAGGCTGGAGCTTATGATTTTC
 CATCACCAGAATGGGACACGGTGACTCCTGAAGCCAAAGACCTCATCAATAAAATGCTTACTATCAACCC
 TGCCAAACGCATCACAGCCTCAGAGGCACTGAAGCACCATGGATCTGTCAACGTTCTACTGTTGCTTCC
 ATGATGCACAGACAGGAGACTGTAGACTGCTTGAAGAAATTTAATGCTAGAAGAAAATAAAGGGTGCCA
 TCTTGACAACATGCTGGCTACAAGGAATTTCTCAGCAGCCAAGAGTTTGTGGAAGAACCAAGATGGAGT
 AAAGGAGTCAACTGAGAGTTCAAATAACAACATGAGGATGAAGATGTGAAAGCACGAAAGCAAGAGATT
 ATCAAAGTCACTGAACAACTGATCGAAGCTATCAACAATGGGGACTTTGAAGCCTACACAAAAATCTGTG
 ACCCAGGCCTTACTGCTTTTGAACCTGAAGCTTTGGTAATTTAGTGAAGGGATGGATTTTACCGATT
 CTACTTTGAAAATGCTTTGTCCAAAAGCAATAACCAATCCACACTATTATTCTAAACCTCATGTACAT
 CTGGTAGGGGATGATGCCGCTGCATAGCATATATTAGGCTCACACAGTACATGGATGGCAGTGAATGC
 CAAAGACAATGCAGTCAGAAGAGACTCGTGTGTGGCACCGCGGGATGGAAGTGGCAGAATGTTCAATT
 TCATCGCTCGGGGTCACCAACAGTACCCATCAAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MASTTTCTRFTDEYQLFEELGKGAFSVVRRMKIPTGQEYAAKIINTKKLSARDHQKLEREARICRLKH
 PNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYYSEADASHCIQQILESVDNHCHLNGIVHRDLKPE
 NLLLASKSKGAAVKLADFLAIEVQGDQAWFGFAGTPGYLSPEVLRKDPYGPVDMWACGVILYILLVG
 YPPFWDEDQHRLYQQIKAGAYDFPSPEWDTVTPEAKDLINKMLTINPAKRITASEALKHPWICQSTVAS
 MMHRQETVDCLKKFNARRKLKGAILTTMLATRNFSAAKSLKKPDGVKESTESSNTTIEDVDKARKQEI
 IKVTEQLIEAINNGDFEAYTKICDPGLTAFEPEALGNLVEGMDFHRFYFENALSKSNKPIHTIILNPHVH
 LVGDAAACIAYIRLTQYMDGSGMPKTMQSEETRVWHRDQKQNVHFRSGSPTVPIK

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_172115

ORF Size:

1434 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_172115.1</u>
RefSeq Size:	2151 bp
RefSeq ORF:	1437 bp
Locus ID:	817
UniProt ID:	<u>Q13557</u>
Cytogenetics:	4q26
MW:	53.9 kDa