

Product datasheet for **RC224917A1V**

Human CDKAL1 (NM_017774) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CDKAL1 (NM_017774) AAV Particle
Tag:	Myc-DDK
Symbol:	CDKAL1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC224917 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGCCTTCTGCATCCTGTGATACACTACTGGATGACATCGAAGATATCGTGTCTCAGGAAGATTCAAAC
 CACAAGATAGGCATTTTGTAAAGAAAGGATGTTGTCCCGAAGGTACGAAGGCGAAATACCCAAAAATATTT
 GCAAGAGGAAGAAACAGTCCACCAAGTGACAGCACTATTCCAGGCATACAGAAAATTTGGATACGAACA
 TGGGGTTGTTCTCATAATAATTCAGATGGAGAATATATGGCTGGACAGCTAGCTGCTTATGGCTATAAAA
 TTACAGAAAATGCATCCGATGCAGATTTATGGCTCCTGAACAGTTGCACTGTAAAAAACCCAGCTGAAGA
 CCACCTTTAGAACTCAATTAAGAAAGCTCAAGAGGAGAACAAGAAAATCGTACTGGCTGGATGCGTTCCT
 CAAGCCCAGCCTCGCCAGGACTACCTTAAGGGACTGAGTATCATTGGGGTTCAGCAGATAGATCGTGTGG
 TAGAAGTTGTGGAGGAGACAATTAAGGTCACCTCTGTGAGACTGCTGGGTGAGAAAAGGATAATGGAAG
 GCGGCTTGGGGGAGCAGATTGGATTTGCCGAAGATTAGGAAGAATCCACTGATAGAAATCATTTCCATC
 AATACCGGGTGTCTCAATGCTTGCTACTGCAAACTAAACACGCCAGAGGAAATTTGGCCAGTTATC
 CAATTGATGAAGTAGTAGATAGAGCCAAACAATCTTTCAAGAGGGTGTGTGAGATATGGTTGACCAG
 TGAAGACACGGGGCTTATGGCAGAGATATTGGCACCAATCTCCCACTCCTGTGAAACTGGTTGAA
 GTGATTCCTGAGGGAGCAATGCTGAGGCTTGGCATGACAAATCCGCCCTATATTTAGAGCATCTGGAGG
 AAATGGCAAAATCCTTAATCACCCAGAGTCTACGCTTTTCTGCACATACCAGTCCAGTCTGCCTCCGA
 CAGCGTACTCATGAAATGAAAAGAGAATACTGTGTGGCTGACTTCAAAGAGTAGTGGATTTTCTGAAA
 GAGAAAGTTCTGGAATAACTATTGCTACAGATATTATCTGTGGTTTCTGGAGAAACAGATCAGGATT
 TTCAAGAAACAGTGAACTTGTGAAGAGTACAAATCCCAAGCCTGTTTATTAACCAATTTTACCCAAG
 ACCAGGAATCCTGCTGCAAAATGGAACAAGTTCAGCACAAGTGAAAAAGCAAAGGACAAAAGATCTT
 TCTCGGGTGTTCATTCTTACAGTCCATATGATCACAAGATTGGTGAAAGACAACAAGTGTAGTAACAG
 AAGAATCTTTGATTCCAAGTTTATGTTGCACACAATCAATTCTATGAGCAGGTTTTAGTGCCAAAGAA
 CCCTGCGTTTATGGGGAAGATGGTTGAAGTGGACATCTATGAATCAGGCAAACTTTTATGAAAGGGCAG
 CCAGTATCTGATGCCAAAGTGTACACGCCCTCCATCAGCAAACCGCTAGCAAAGGGAGAAGTCTCGGGTT
 TGACAAAGGACTTCAGAAATGGGCTTGGGAACAGCTGAGTTCAGGATCCACACCTCTGCTGCATCTCA
 GTGTGACTCAGCGAGTTCAGAAATGGTCTGCCATGCCAAGGCTACATCAAGACTGTGCGCTGAGGATG
 TCCGTGGGCTTGGCTCTGCTGGTCTTCTTTTGTCTTTTGTCAAGGTCTATAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224917 protein sequence
 Red=Cloning site Green=Tags(s)

MPSASCDTLLDDIEDIVSQEDSKPQDRHFVRKDVVPKVRRTNTQKYLQEEENSPPSDSTIPGIQKIWIRT
 WGC SHNSDGEYMAQLAAYGYKITENASDADLWLLNSCTVKNP AEDHFRNSIKKAQEENKKIVLAGCVP
 QAQPRQDYLGKLSIIGVQIDRVVEVVEETIKGHSVRLLGQKKNRRLGGARLDLPKIRKNPLIEIISI
 NTGCLNACTYCKTKHARGNLASYPIDELVDRAKQSFQEGVCEIWLTS EDTGAYGRDIGTNLPTLLWKLVE
 VIPEGAMRLRLGMTNPPYILEHLEEMAKILNHPRVYAFLHIPVQSASDSVLMEMKREYCVADFKRVDLFLK
 EKVPGITIATDII CGFPGETDQDFQETVKLVEEYKFP SLFINQFYPRPGTPAAKMEQVPAQVKKQRTKDL
 SRVFHSYSPYDHI GERQQVLVTEESFDSKFYVAHNQFYEQVLVPKNPAFMGKMVEVDIYESGKHF MKGQ
 PVSDAKVYTPSISKPLAKGEVSGLTKDFRNGLGNQLSSGSHTSAASQCDSASSRMVLPMPRLHQDCALRM
 SVGLALLGLLFAFFVKVYN

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_017774
ORF Size:	1737 bp
Buffer:	PBS with 0.001% Pluronic F8882
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_017774.1</u>
RefSeq Size:	3272 bp
RefSeq ORF:	1740 bp
Locus ID:	54901
UniProt ID:	<u>Q5VV42</u>
Cytogenetics:	6p22.3
MW:	65.1 kDa