

Product datasheet for **RC220293A1V**

Human DGKA (NM_201554) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human DGKA (NM_201554) AAV Particle
Tag:	Myc-DDK
Symbol:	DGKA
Synonyms:	DAGK; DAGK1; DGK-alpha
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC220293 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCAAGGAGAGGGGCTAATAAGCCCCAGTGATTTTGCCAGCTGCAAAAATACATGGAATACTCCA
 CCAAAAAGGTCAGTGATGTCTAAAGCTCTTCGAGGATGGCGAGATGGCTAAATATGTCCAAGGAGATGC
 CATTGGGTACGAGGGATTCCAGCAATTCCTGAAAATCTATCTCGAAGTGATAATGTTCCAGACACCTA
 AGCCTGGCACTGTTTCAATCCTTTGAGACTGGTCACTGCTTAAATGAGACAAATGTGACAAAAGATGTGG
 TGTGTCTCAATGATGTTTCTGTACTTTTCCCTTCTGGAGGGTGGTCGCCAGAAGACAAGTTAGAATT
 CACCTTCAAGCTGTACGACACGGACAGAAATGGGATCCTGGACAGCTCAGAAATGGACAAAATTATCCTA
 CAGATGATGCGAGTGGCTGAATACCTGGATTGGGATGTGTCTGAGCTGAGGCCGATTCTTCAGGAGATGA
 TGAAAGAGATTGACTATGATGGCAGTGGCTCTGTCTCTCAAGCTGAGTGGTCCGGGCTGGGCCACAC
 CGTGCCACTGCTAGTGTCTGGTCTGGAGATGACTCTGAAGGACGACGGACAGCACATGTGGAGGCC
 AAGAGGTTCCCGACAGCAGTCTACTGCAATCTGTGCGAGTCAAGCATTGGTCTTGCCAAACAGGGACTGA
 GCTGTAACCTCTGTAAGTACACTGTTACGACCACTGTGCCATGAAAGCCCTGCCTTGTGAAGTCAGCAC
 CTATGCCAAGTCTCGGAAGGACATTGGTGTCCAATCACATGTGTGGTGGCAGGAGGCTGTGAGTCCGGG
 CGCTGCGACCGCTGTGAGAAAAGATCCGGATCTACCACAGTCTGACCGGCTGCATTGTGTATGGTGCC
 ACCTAGAGATCCACGATGACTGCCTGCAAGCGGTGGGCCATGAGTGTGACTGTGGGCTGCTCCGGGATCA
 CATCTGCCTCCATCTTCCATCTATCCAGTGTCTGGCCTCTGGACCGATCGTAAAAATAGCAAAACA
 AGCCAGAAGACCATGGATGATTTAAATTTGAGCACCTCTGAGGCTCTGCGGATTGACCTGTTCTTAACA
 CCCACCACTTCTCGTCTTTGTCAATCCTAAGAGTGGCGGGAAGCAGGGGCAGAGGGTCTGGAAGTT
 CCAGTATATATTAAACCCTCGACAGGTGTTCAACCTCCTAAAGGATGGTCTGAGATAGGGCTCCGATTA
 TTCAAGGATGTTCTGATAGCCGATTTTGGTGTGTGGTGGAGACGGCACAGTAGGCTGGATTCTAGAGA
 CCATTGACAAAGCTAACTTGCCAGTTTTGCCTCCTGTTGCTGTGTTGCCCTGGGTAAGGAAATGATCT
 GGCTCGATGCCTAAGATGGGAGGAGGTTATGAAGGACAGAATCTGGCAAAGATCCTCAAGGATTAGAG
 ATGAGTAAAGTGGTACATATGGATCGATGGTCTGTGGAGGTGATACCTCAACAACTGAAGAAAAAGTG
 ACCCAGTCCCCTTTCAAATCATCAATACTACTTCTCTATTGGCGTGGATGCCTCTATTGCTCATCGATT
 CCACATCATGCGAGAGAAATATCCGGAGAAGTTCAACAGCAGAATGAAGAACAAGCTATGGTACTTCGAA
 TTTGCCACATCTGAATCCATCTTCTCAACATGCAAAAAGCTGGAGGAGTCTTTGACAGTTGAGATCTGTG
 GGAAACCGCTGGATCTGAGCAACCTGTCCCTAGAAGGCATCGCAGTGCTAAACATCCCTAGCATGCATGG
 TGGCTCCAACCTCTGGGGTGATACCAGGAGACCCCATGGGGATATCTATGGGATCAACAGGCCCTTAGGT
 GCTACAGCTAAAGTCATACCGACCTGATATCCTGAAAACCTGTGTACCAGACCTAAGTGACAAGAGAC
 TGGAAGTGGTGGGCTGGAGGGTGCAATTGAGATGGGCCAAATCTATACCAAGCTCAAGAATGCTGGACG
 TCGGCTGGCCAAGTGCTCTGAGATCACCTTCCACACCACAAAACCTTCCCATGCAATTGACGGAGAA
 CCCTGGATGCAGACGCCCTGTACAATCAAGATCACCCACAAGAACCAGATGCCCATGCTCATGGGCCAC
 CCCCCGCTCCACCAATTTCTTTGGCTTCTTGAGC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC220293 protein sequence Red=Cloning site Green=Tags(s) MAKERGLISPSDFAQLQKYMEYSTKKVSDVLKLFEDGEMAKYVQGDAIGYEGFQQFLKIYLEVDNVPRHL SLALFQSFETGHCLNETNVTKDVCVCLNDVSCYFSLLEGGRPEDKLEFTFKLYDTRNGILDSSEVDKIIL QMMRVAEYLDWDVSELRPILQEMMKEIDYDGSVSQAQEWVRAGATTVP LLVLLGLEMTLKDDGQHMWRP KRFP RPVYCNLCESIGLGKQGLSCNLCKYTVHDQCAMKALPCEVSTYAKSRKDIGVQSHVWVRGGCESG RCDRCQKKIRIYHSLTGLHCVWCHLEIHDDCLQAVGHECDCGLLRDHILPPSSIYPSVLASGPDRKNSKT SQKTMDDLNLSTSEALRIDPVPNTHPLLVFVNP KSGGKQQRVLWKFYILNPRQVFNLKDGPEIGLRL FKDVPDSRILVCGGDGTVGWILETIDKANLPVLPVAVLPLGTGNDLARCLRWGGGYEGQNLAKILKDLE MSKVHMDRWSVEVIPQQTEEKSDPVPFQIINNYFSIGVDASIAHRFHIMREKYPEKFNSRMKNKLWYFE FATSESI FSTCKLEESLTVEICGKPLDL SNLSLEGIAVLNIPSMHGGSNLWGDTRRPHGDIYGINQALG ATAKVITDPDILKTCVPDLSDKRLEVVGLEGA IEMGQIYTKLKNAGRRLAKCSEITFHTTKTLPMQIDGE PWMQTPCTIKITHKNQMPMLMGPPPRSTNFFGFLS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_201554
ORF Size:	2205 bp
Buffer:	PBS with 0.001% Pluronic F8148
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:	NM_201554.1 , NP_963848.1
RefSeq Size:	2669 bp
RefSeq ORF:	2208 bp
Locus ID:	1606
UniProt ID:	P23743
Cytogenetics:	12q13.2
MW:	82.6 kDa