

Product datasheet for **RC211000A1V**

Human KCNA1 (NM_000217) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human KCNA1 (NM_000217) AAV Particle
Tag:	Myc-DDK
Symbol:	KCNA1
Synonyms:	AEMK; EA1; HBK1; HUK1; KV1.1; MBK1; MK1; RBK1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC211000 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGGTGATGTCTGGGAGAACGTGGACGAGGCTTCGGCCGCCCGGGCCACCCCAGGATGGCAGCT
 ACCCCCGGCAGGCCGACCACGACGACGACGAGTGTGCGAGCGCGTGGTGATCAACATCTCCGGGTGCG
 CTTGAGAGCGCAGCTCAAGACCCTGGCGCAGTTCCTCAACACGCTGCTGGGCAACCTAAGAAACGCATG
 CGCTACTTCGACCCCCTGAGGAACGAGTACTTCTCGACCGCAACCGGCCAGCTTCGACGCCATCCTCT
 ACTACTACCACTCCGGCGGCCGCTGCGGAGGCCGGTCAACGTGCCCCGGACATGTTCTCCGAGGAGAT
 CAAGTTTTACGAGTTGGGCGAGGAGGCCATGGAGAAGTCCGGGAGGACGAGGGCTTCATCAAGGAGGAG
 GAGCGCCCTCTGCCGAGAAGGAGTACCAGCGCCAGGTGTGGTGTCTTCGAGTACCCGAGAGCTCGG
 GGCCCGCCAGGGTCATCGCCATCGTCTCCGTATGGTCATCCTCATCTCCATCGTCATCTTTGCTGGA
 GACGCTCCCCGAGCTGAAGGATGACAAGGACTTCACGGGCACCGTCCACCGCATGCAACACCACGGTC
 ATCTACAATTCCAACATCTTCACAGACCCTTCTTCATCGTGGAAACGCTGTGCATCATCTGGTTCTCT
 TCGAGCTGGTGGTGGCTTCTTCGCTGCCCGACGAAGACGGACTTCTTCAAAAACATCATGAATTCAT
 AGACATTGTGGCCATATTCTTATTTTCATCACCTGGGCACCGAGATAGCTGAGCAGGAAGGAAACCAG
 AAGGGCGAGCAGGCCACCTCCCTGGCCATCCTCAGGGTCATCCGCTTGGTAAGGGTTTTAGAACTCTTCA
 AGCTCTCCCGCCACTCTAAGGGCTCCAGATCCTGGGCCAGACCCTCAAAGCTAGTATGAGAGAGCTAGG
 GCTGCTCATCTTTTCTCTTCATCGGGGTATCCTGTTTTCTAGTGCAGTGTACTTTGCCGAGGCGGAA
 GAAGCTGAGTCGCACTTCTCCAGTATCCCCGATGCTTTCTGGTGGGCGGTGGTGTCCATGACCACTGTAG
 GATACGGTGACATGTACCCTGTGACAATTGGAGCAAGATCGTGGGCTCCTTGTGTGCCATCGTGGTGT
 GCTAACCAATTGCCCTGCCGTACCTGTATTGTGTCCAATTTCAACTATTTCTACCACCGAGAACTGAG
 GGGGAAGAGCAGGCTCAGTTGCTCCACGTGAGTCCCCCTAACTTAGCCTCTGACAGTGACCTCAGTCGCC
 GCAGTTCTCTACTATGAGCAAGTCTGAGTACATGGAGATCGAAGAGGATATGAATAATAGCATAGCCCA
 TTATAGACAGGTCAATATCAGAAGTCCAATTGCACCACAGCTAACCAAACTGCGTTAATAAGAGCAAG
 CTACTGACCGATGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211000 protein sequence
 Red=Cloning site Green=Tags(s)

MTVMSENVDEASAAPGHPQDGSYPRQADHDDHECCERVVINISGLRFETQLKTLAQFPNTLLGNPKKRM
 RYFDPLRNEYFFDRNRPSFDAILYQQSGRLRRPVNVPLDMFSEEIKFYELGEEAMEKFREDEGFIKEE
 ERPLPEKEYQRQVWLLFEYPSSGPARVIAIVSVMVILISIVIFCLELPELKDDKDFGTGTVHRIDNTTV
 IYNSNIFTDPFFIVETLCIIWFSFELVVRFFACPSKTDFFKNIMNFIDIVAIIPYFITLGEIAEQEGNQ
 KGEQATSLAILRVIRLVRFRIKLSRHSKGLQILGQTLKASMRELGLLIFFLFIGVILFSSAVYFAEAE
 EAESHFSSIPDAFWAVVSMTTVGYGDMYPVTIGGKIVGSLCAIAGVLTIALPVPVIVSNFYFYHRETE
 GEEQAQLLHVSSPNLASDSDLRRSSSTMSKSEYMEIEEDMNSIAHYRQVNIIRTNCTANQNCVNKSK
 LLTDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000217

ORF Size:

1485 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_000217.2</u>
RefSeq Size:	7983 bp
RefSeq ORF:	1488 bp
Locus ID:	3736
UniProt ID:	<u>Q09470</u>
Cytogenetics:	12p13.32
MW:	56.5 kDa