

Product datasheet for **RC210434A1V**

Human KCNN1 (NM_002248) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human KCNN1 (NM_002248) AAV Particle
Tag:	Myc-DDK
Symbol:	KCNN1
Synonyms:	hSK1; KCa2.1; SK1; SKCA1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC210434 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACAGCCACAGCTACAATGGCAGCGTGGGGCGCCGCTGGGCAGCGGGCCGGGCCCTGGGACGAG
 ACCCTCCGGACCCTGAGGCCGGCCACCCCCACAACCCCGCACAGCCGGGCCCTCCAGGTGGTAGTGGC
 CAAGAGTGAGCCAGCCGGCCCTCACCCGGCAGCCCCGGGGCAGCCCCAGGACCAGGACGATGACGAG
 GATGATGAGGAAGATGAGGCCGGCAGGCAGAGAGCCTCGGGGAAACCTCAAATGTGGGCCACCGCTGG
 GCCACCGGGCGGCGCTCTTCGAGAAGCGGAAGCGCCTCAGCGACTATGCCCTCATTTTCGGCATGTTTGG
 CATCGTCGTCATGGTGACGGAGACCGAGCTGTCTGGGGGTGTACACCAAGGAGTCTGTACTCATT
 GCACTCAAATGCCTCATAGCCTCTCCACGGCCATCCTGCTGGGTCTCGTTGCTCTACCATGCCCGGG
 AGATCCAGCTGTTATGGTGGACAACGGGGCTGATGACTGGCGCATCGCCATGACCTGCGAGCGCGTGT
 CCTCATCTCGCTAGAGCTGGCAGTGTGCCATTACCCGGTGCCCGGCCACTACCGCTTACGTGGACG
 GCGCGGCTGGCCTTACGTACGGCCCTCGGTGGCCGAGGCCGACGTGGACGTGCTGCTGCATCCCCA
 TGTTCTCGCGCTTACCTGCTGGGCCGGGTGATGCTACTGCACAGAAAATCTTACGGACGCCTCGAG
 CCGCAGCATCGGGGCCCTCAACAAGATCACCTTCAACACGCGCTTCGTCATGAAGACTCATGACCATC
 TGCCCCGGCACCGTGTGCTGGTCTTACGATCTCCTCCTGGATCATCGCAGCCTGGACCGTGCGCGTCT
 GCGAGAGGTACCACGACAAGCAGGAAGTGACCAGCAACTTCTGGGGCCATGTGGCTGATTTCCATCAC
 CTTCTCTCCATTGGCTACGGCGACATGGTGCCCCACCTACTGCGGGAAGGGTGTGTGCTGCTCACT
 GGCATATGGGAGCTGGCTGTACCGCGCTCGTGGTGGCTGTGGTGGCTCGGAAGCTGGAGCTACCAAG
 CTGAGAAGCAGTGCACAACTTATGATGGACACTCAGCTACCAAGCGGGTAAAAACCGCGCTGCTAA
 CGTTCTCAGGGAGACGTGGCTCATCTACAAACATACCAGGCTGGTGAAGAAGCCAGACCAAGCCCGGGT
 CGGAAACACCAGCGTAAGTTCCTCCAAGCCATCCATCAGGCTCAGAAGCTCCGGAGTGTGAAGATCGAGC
 AAGGGAAGCTGAACGACCAGGCTAACACGCTTACCGACCTAGCCAAGACCAGACCGTATGTACGACCT
 TGTATCGGAGCTGCACGCTCAGCACGAGGAGCTGGAGGCCCGCTGGCCACCCTGGAAAGCCGCTTGGAT
 GCGCTGGGTGCCTCTCTACAGGCCCTGCCTGGCCTCATCGCCAAAGCCATACGCCACCCCGCTCCCC
 TGCTCCAGGCCCGGCCCGGCCCAAGACCAGGCAGCCGGAGCTCCCCCTGCCGTGGACGCCGT
 GGCCCCCTCGGACTGCGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC210434 protein sequence
 Red=Cloning site Green=Tags(s)

MNSHSYNGSVGRPLGSGPGALGRDPPDPEAGHPPQPPHSPGLQVVVAKSEPARPSPGSPRGQPQDQDDDE
 DDEEDEAGRQRASGKPSNVGHRLGHRRALFEKRKRLSDYALIFGMFGIVVMVTELEL SWGVYTKESLYSF
 ALKCLISLSTAILLGLVVLVYHAREIQLFMVDNGADDWRIAMTCERVFLISLELAVCAIHPVPHGYRFTWT
 ARLAFTYAPSVAEADVLLSIPMFLRLYLLGRVMLLHSKIFTDASSRSIGALNKITFNTRFVMKTLMTI
 CPGTVLLVFSISSWIIAAWTVRVCERYHDKQEVTSNFLGAMWLISITFLSIGYDMVPHTYCGKGVCLLT
 GIMGAGCTALVVAVVARKLELTKAEKHVHFMMDTQLTKRVKNAANVLRWLIYKHTRLVKKPDQARV
 RKHQRKFLQAIHQAKLRSVKIEQGKLNQANTLDLAKTQTVMYDLVSELHAQHHELEARLATLESRLD
 ALGASLQALPGLIAQAIRPPPPPLPPRPGPGPQQAARSSPCRWTPVAPSDCG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_002248

ORF Size:	1629 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_002248.3</u>
RefSeq Size:	2662 bp
RefSeq ORF:	1632 bp
Locus ID:	3780
UniProt ID:	<u>Q92952</u>
Cytogenetics:	19p13.11
MW:	60 kDa