

Product datasheet for **RC222164A1V**

Human KCNA7 (NM_031886) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human KCNA7 (NM_031886) AAV Particle
Tag:	Myc-DDK
Symbol:	KCNA7
Synonyms:	HAK6; KV1.7
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC222164 representing NM_031886
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGACCGCGGTGCCCGCCCGTGC GGCTGCTGCGAGCGGCTGGTGTCAACGTGGCCGGGCTGCGCT
 TCGAGACGCGGGCGCGCACGCTGGGCCGCTTCCCGGACTCTGCTAGGGGACCCAGCGCGCCGCGGCCG
 CTTCTACGACGACGCGCGCCGCGAGATTTCTTCGACCGGCACCGGCCAGCTTCGACGCGGTGCTCTAC
 TACTACCAGTCCGGTGGGCGGCTGCGCGCGCCGCGCACGTGCCGCTCGACGTCTTCTGGAAGAGGTGG
 CTTTCTACGGGCTGGGCGCGGCCCTGGCACGCTGCGCGAGGACGAGGGCTGCCCGTGGCGCCGA
 GCGCCCTGCCCGCCGCGCTTCGCCCGCCAGCTGTGGCTGCTTTTCGAGTTCCCGAGAGCTCTCAG
 GCCGCGCGGTGCTCGCCGTAGTCTCCGTGCTGGTATCCTCGTCTCCATCGTCGCTTCTGCTCGAGA
 CGCTGCCTGACTTCCGCGACACCGCGACGGCACGGGGCTTGCTGCTGCAGCCGACCGGCCGTTCC
 CGCTCCGCTGAATGGCTCCAGCCAAATGCCTGGAAATCCACCCGCTGCCCTTCAATGACCCGTTCTTC
 GTGGTGGAGACGCTGTGTATTTGTTGGTCTCCTTTGAGCTGCTGGTACGCCCTCCTGGTCTGTCCAAGCA
 AGGCTATCTTCTCAAGAACGTGATGAACCTCATCGATTTTGTGGCTATCCTTCCCTACTTTGTGGCACT
 GGGACCGAGCTGGCCCGCAGCGAGGGGTGGCCAGCAGGCCATGCTACTGGCCATCCTGAGAGTCATC
 CGATTGGTGC GTTCTCCGATCTTCAAGCTGTCCCGGCACTCAAAGGGCTGCAAATCTTGGGCCAGA
 CGCTTCGGGCTCCATGCGTGAAGTGGGCTCCTCATCTTTTCTTTCATCGGTGGTCTCTTTTC
 CAGCGCGTCTACTTTGCCGAAGTTGACCGGTGGACTCCCATTTCACTAGCATCCCTGAGTCTTCTGG
 TGGCGGTAGTACCATGACTACAGTTGGCTATGGAGACATGGCACCCGCTCACTGTGGGTGGCAAGATAG
 TGGCTCTCTGTGTGCCATTGCGGGCGTGTGACTATTTCCCTGCCAGTGCCCGTCATTGTCTCCAATTT
 CAGCTACTTTTATCACCGGGAGACAGAGGGCGAAGAGGCTGGGATGTTTCAGCCATGTGGACATGCAGCCT
 TGTGGCCCACTGGAGGGCAAGCCAATGGGGGGCTGGTGGACGGGGAGGTACCTGAGCTACCACCTCCAC
 TCTGGCACCCCAAGGAAACCTGGTCACCGAAGTG

ACGCGTACGCGGCGCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222164 representing NM_031886
 Red=Cloning site Green=Tags(s)

MEPRCPPPCGCCERLVNVAAGLRFETRARTLGRFPDILLGDPARRGRFYDDARREYFFDRHRPSFDAVLY
 YYQSGGRLRRPAHVPLDVFL EEFVAFYGLGAAALARLREDEGCPVPPERPLPRRAFARQLWLLFEFPESQ
 AARVLAVVSVLVILVSI VVFCLETLPDFRDDRDTGLAAAAAGPFPAPLNGSSQMPGNPRLPFNDPFF
 VVETLCICWFSFELLVRLLVCP SKAIFFKVMNLI DFVAILPYFVALGTELARQRGVGQQAMSLAILRVI
 RLVRFVRIFKLSRHSKGLQILGQTLRASMREGLLIFFLFIGVVL FSSAVYFAEVD RVD SHFTSIPESFW
 WAVVTMTTVGYGDMAPVT VGGKIVGSLCAIAGVLTISLPVPVIVSNFSYFYHRETEGEEAGMFSHVDMPQ
 CGPLEGKANGGLVDGEVPELPPPLWAPGKHLVTEV*

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_031886

ORF Size:

1368 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_031886.2, NP_114092.2</u>
RefSeq Size:	4372 bp
RefSeq ORF:	1371 bp
Locus ID:	3743
UniProt ID:	<u>Q96RP8</u>
Cytogenetics:	19q13.33
MW:	50.4 kDa