

Product datasheet for **RC219793A1V**

Human KCNA5 (NM_002234) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human KCNA5 (NM_002234) AAV Particle
Tag:	Myc-DDK
Symbol:	KCNA5
Synonyms:	ATFB7; HCK1; HK2; HPCN1; KV1.5; PCN1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC219793 representing NM_002234
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGATCGCCCTGGTCCCTGGAGAACGGCGGTGCCATGACCGTCAGAGGAGCGATGAGGCCCGGG
 CAGGCTCGGGCCAGGCCACAGGGGAGAGCTCCAGTGTCCCCGACGGCTGGGCTCAGCGATGGGCCAA
 GGAGCCGGCGCCAAAGGGGCGGGCGCGCAGAGAGACGCGGACTCGGGAGTGCGCCCTTGCTCCGCTG
 CCGGACCCGGGAGTGCGCCCTTGCTCCGCTGCCAGAGGAGCTGCCACGGCCTCGACGGCCGCTCCCG
 AGGACGAGGAGGAAGAAGGCGATCCCGGCTGGGCACGGTGGAGGACAGGCTCTGGGCACGGCTCCCT
 GCACCACGCGCGTCCACATCAACATCTCCGGGCTGCGCTTTGAGACGAGCTGGGCACCTGGCGCAG
 TTCCCCAACACACTCTGGGGGACCCGCCAAGCGCTGCGCTACTTCGACCCCTGAGGAACGAGTACT
 TCTTCGACCGCAACCGGCCAGCTTCGACGGTATCCTCTACTACTACCAGTCCGGGGCCGCTGCGGAG
 GCCGGTCAACGTCTCCCTGGACGTGTTGCGGACGAGATACGCTTCTACCAGTGGGGGACGAGGCCATG
 GAGCGCTTCGCGAGGATGAGGGCTTCAATAAGAAAGAGGAGAAGCCCTGCCCGCAACGAGTTCAGC
 GCCAGGTGTGGCTTATCTTCGAGTATCCGGAGAGCTCTGGGTCCGCGCGGGCCATCGCCATCGTCTCGGT
 CTTGGTTATCCTCATCTCCATCATCACCTTCTGCTTGGAGACCCTGCCTGAGTTCAGGGATGAACGTGAG
 CTGCTCCGCCACCCTCCGGCGCCCCACAGCCTCCCGCGCCCGCCCTGGGGCCAACGGCAGCGGGGTCA
 TGGCCCCGCCCTCTGGCCCTACGGTGGCACCCTCTGCCAGGACCCTGGCCGACCCCTTCTTCATCGT
 GGAGACCAGTGCCTCATCTGGTTCACCTTCGAGCTGCTCGTGCCTTCTTCGCTGCCCGCAAGGCA
 GGGTTCCTCCGAACATCATGAACATCATCGATGTGGTGGCCATCTTCCCTACTTCATACCCCTGGGCA
 CCGAATGGCAGAGCAGCAGCCAGGGGCGGAGGAGCGGCCAGAATGGCAGCAGGCCATGTCCTTGGC
 CATCCTCCGAGTCATCCGCTGGTCCGGGTGTTCCGCATCTTCAAGCTCTCCCGCACTCCAAGGGGCTG
 CAGATCTGGGCAAGACCTTGCAGGCTCCATGAGGGAGCTGGGGCTGCTCATCTTCTTCTCTTCATCG
 GGGTCATCTCTTCTCCAGTGGCTCTACTTCGAGAGGCTGACAACAGGGAACCCATTTCTTAGCAT
 CCCTGACGCCTTCTGGTGGCAGTGGTACCATGACCACTGTGGGCTACGGGGACATGAGGCCATCACT
 GTTGGGGCAAGATCGTGGGCTCGTGTGTGCCATCGCCGGGGTCTCACCATTGCCCTGCCTGTGCCCG
 TCATCGTCTCAACTTCAACTACTTCTACCACGGGAAACGGATCACGAGGAGCCGGCAGTCTTAAGGA
 AGAGCAGGGCACTCAGAGCCAGGGGCGGGGCTGGACAGAGGAGTCCAGCGGAAGGTACGCGGAGCAGG
 GGATCCTTCTGAAGGCTGGGGGACCTGGAGAATGCAGACAGTGCCCGAAGGGGACGTGCCCTTAG
 AGAAGTGAACGTCAAGGCCAAGAGCAACGTGGACTTGGGAGGTCCCTTATGCCCTCTGCCTGGACAC
 CAGCCGGGAAACAGATTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MEIALVPLENGGAMTVRGGDEARAGCGQATGGELQCPPTAGLSDGPKEPAPKGRGAQRDADSGVRPLPPL
 PDPGVRLPPLPEELPRRRPPPEDEEEEDPGLGTVEDQALGTASLHHQRVHINISGLRFETQLGLTAQ
 FPNTLLGDPKRLRYFDPLRNEYFFDRNRPSFDGILYYYQSGGRLRRPVNVLDFADEIRFYQLGDEAM
 ERFREDEGFIKEEKPLRNEFQRQVWLIFEYESSGSARAIIVSVLVILISITFCLETLPFRDERE
 LLRHPPAPHQPPAPANGSGVMAPSGPTVAPLLPRTLADPFFIVETTCVIWFTFELLVRFFACPSKA
 GFSRNIMNIIDVVAIFPYFITLGTLEAEQQPGGGGGQNGQAMSLAILRVIRLVRVFRIFKLSRHSKGL
 QILGKTLQASMRELGLLIFFLFIGVILFSSAVYFAEADNQGTHFSSIPDAFWAVVTMTTVGYGDMRPIT
 VGGKIVGSLCAIAGVLTIALPVPVIVSNFNYFYHRETDHEEPVLKKEEQGTQSQGPGLDRGVQRKVSGR
 GSFCKAGGTLENADSARRGSCPLEKCNVKAASNVDLRRSLYALCLDTSRETDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_002234
ORF Size:	1839 bp
Buffer:	PBS with 0.001% Pluronic F8052
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_002234.2</u>
RefSeq Size:	2865 bp
RefSeq ORF:	1842 bp
Locus ID:	3741
UniProt ID:	<u>P22460</u>
Cytogenetics:	12p13.32
MW:	67 kDa