

Product datasheet for **RC220205A1V**

Human Kv1.4 (KCNA4) (NM_002233) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Kv1.4 (KCNA4) (NM_002233) AAV Particle
Tag:	Myc-DDK
Symbol:	KCNA4
Synonyms:	HBK4; HK1; HPCN2; HUKII; KCNA4L; KCNA8; KV1.4; MCIDDS; PCN2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC220205 representing NM_002233
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTTGCAATGGTGAGTGCGGAGAGCTCAGGGTGCAACAGTCACATGCCTTATGGTTATGCTGCC
 AGGCCCCGGGCCCGGAGCGGGAGAGGCTTGCTCACTCCAGGGCAGCTGCAGCAGCTGCTGTTGCAGCGGC
 CACAGCTGCTGTGCAAGGTAGCGGGGTTCTGGTGGGGCTCCACCACCACCAGTCACGCGGGGCC
 TGTACCTCCCATGACCCTCAGAGCAGCCGGGTAGTCGGAGGAGGAGCGACAGCGGTCTGAGAAGAAGA
 AAGCCCACTACCGGCAGAGCAGCTTCCCTCATTGCTCTGACCTGATGCCAGTGGCTCTGAGGAGAAGAT
 CCTGAGGGAGCTGAGTGAGGAGGAGGAAGATGAGGAGGAGGAGGAAGAGGAGGAAGAGGAGGGAAGGTTT
 TACTATAGTGAAGATGACCATGGTGATGAGTGTTCTACACGGATCTGCTGCCTCAGGATGAGGGCGGTG
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 GTTCTATCAGTTGGGGAGGAGGCCCTGTTGAAGTTTCGGGAGGACGAGGGCTTTGTGAGAGAAGAGGAA
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 GTCCTGCAAGGGGCATAGCCATTGTGTCGCTCTGGTCATCTTAATCTCCATTGTATCTTTGCCTGGA
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 CATTTTGGTGGGCTGTGGTGACCATGACAACTGTGGGCTATGGGGACATGAAGCCCATCACTGTAGGGG
 CAAGATTGTGGGTCCTGTGTGCCATTGCGGGTGTCTTAACCATTGCTTGGCAGTGCCAGTGATTGTC
 TCTAATTTAACTATTTCTACCACAGAGAGACTGAAATGAGGAACAGACACAGCTAACGCAGAATGCAG
 TCAGTTGTCCATACCTCCCTCTAATTTGCTCAAGAAATTTGAGAGCTTACTTCTTCTCCCTGGGGGA
 CAAGTCAGAGTATCTAGAGATGGAAGAAGGAGTTAAGGAATCTCTGTGTGCAAAGGAGGAGAAGTGTGAG
 GGAAAGGGGGATGACAGTGAGACAGATAAAAACAACTGTTCTAATGCAAAGGCTGTGGAGACTGATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC220205 representing NM_002233 Red=Cloning site Green=Tags(s) MEVAMVSAESSGCNSHMPYGYAAQARARERERLAHSRAAAAAVAAATAAVEGSGGSGGGSHHHQSRGA CTSHDPQSSRGSRRRRRQRSEKKKAHYRQSSFPHCSDLMPGSEEKILRELSEEEEEEEEEEEEEEGRF YYSEDDHGDECSYTDLLPQDEGGGYSSVRYSDCCERVVINVSGLRFETQMKTLAQFPETLLGDPEKRTQ YFDPLRNEYFFDRNRPSFDAILYYYQSGGRLKRPVNVFPDIFTEEVKFYQLGEEALLKFREDEGFVREEE DRALPENEFKKQIWLLFEYPESSSPARGIAIVSVLVILISIVIFCLETLPFRDDRDLVMAISAGGHGGL LNDTSAPHLENSGHTIFNDPFFIVETVCIVWFSFEFVVRFCACPSQALFFKNIMNIIDIVSILPYFITLG TDLAQQQGGNGQQQAMSFALRIIRLVRFIRFKLSRHSKGLQILGHTLRASMRELGLLIFFLFIGVI LFSSAVYFAEADEPTTHFQSIPDAFWAVVTMTTVGYGDMKPITVGGKIVGSLCAIAGVLTIALPVPVIV SNFNFYHRETENEEQTLTQNAVSCPYPNLLKKFRSSTSSSLGDKSEYLEMEEGVKESLCAKEEKCQ GKGDDSETDKNCSNAKAVETDV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_002233
ORF Size:	1959 bp
Buffer:	PBS with 0.001% Pluronic F8133
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_002233.3</u>
RefSeq Size:	4179 bp
RefSeq ORF:	1962 bp
Locus ID:	3739
UniProt ID:	<u>P22459</u>
Cytogenetics:	11p14.1
MW:	73.7 kDa