

Product datasheet for **RC220210A1V**

Human KLC1 (NM_182923) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human KLC1 (NM_182923) AAV Particle
Tag:	Myc-DDK
Symbol:	KLC1
Synonyms:	KLC; KNS2; KNS2A
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC220210 representing NM_182923
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTATGACAACATGTCCACAATGGTGTACATAAAGGAAGACAAGTTGGAGAAGCTTACACAGGATGAAA
 TTATTTCTAAGACAAAGCAAGTAATTCAGGGGCTGGAAGCTTTGAAGAATGAGCACAATTCATTTTACA
 AAGTTTCTGGAGACTGAAGTGTGGAAGAAAGATGATGAAAGTAATTTGGTGGAGGAGAAATCAAAC
 ATGATCCGGAAGTCACTGGAGATGTTGGAGCTCGGCTGAGTGAGGCACAGGTTATGATGGCTTTGTCAA
 ATCACCTGAATGCTGTGGAGTCCGAGAAGCAGAACTGCGTGCGCAGGTTCTGCTGTGCCAGGAGAA
 TCAGTGGCTACGGGATGAAGTGGCAACACGCAGCAGAACTGCAGAAGAGTGAGCAGTCTGTGGCTCAA
 CTGGAGGAGGAGAAGAAGCATCTGGAGTTTATGAATCAGCTAAAAAATATGATGACGACATTTCCCAT
 CCGAGGACAAAGACACTGATTCTACCAAGAGCCTCTGGATGACCTTTTCCCAATGATGAAGACGACCC
 AGGGCAAGGAATCCAGCAGCAGCAGCAGTGCAGCCGCGGCTGCCAGCAGGGCGGCTACGAGATCCCC
 GCGCGGCTGCGGACGCTCCACAACCTGGTGATCCAGTACGCCTCGCAGGGGCGCTACGAGGTAGCTGTGC
 CCCTCTGCAAGCAGGCCCTGGAGGACCTGGAGAAGACTTCAGGACACGACCACCCGACGTGGCCACCAT
 GCTCAACATCCTGGCCTTGGTGTACAGGGATCAGAATAAATACAAAGATGCAGCTAACCTACTGAATGAT
 GCCTTGGCTATTCGTGAGAAAACCTTTGGGCAAGATCATCCTGCGGTGGCGGCGACTTTGAATAACCTTG
 CAGTCTTTATGGTAAAGAGGGAGTACAAAGAAGCAGAGCCGTTGTGTAAAGAGCTCTGGAATCCG
 AGAAAAGGTTTGGGGAAGGATCACCCGATGTTGCCAAGCAGTTAAATAACTTGGCCTTACTGTGCCAG
 AACCAGGGCAAGTATGAAGAAGTAGAATATTATTATCAAAGAGCCCTCGAGATCTACCAGACAAAACCTGG
 GACCTGATGACCCCAACGTGGCTAAGACGAAAAATAACCTGGCATCTGCTATTTGAAACAAGGAAAGTT
 CAAGCAAGCAGAAACACTGTACAAAGAGATTCTCACTCGTGACATGAAAGGGAGTTTGGTTCTGTAGAT
 GATGAAAAATAAACCATCTGGATGCATGCTGAAGAAAGAGAAGATGCAAGGAAAGCAAAAGGATGGGA
 CATCTTTTGGAGAGTATGGCGGCTGGTACAAAGCCTGCAAAGTTGATAGTCCAAGTGTACAACCACTCT
 AAAAAACCTTGGGGCACTTTACAGAGCTCAAGGCAAAATTTGAAGCTGCAGAAACGTTAGAAGAAGCTGCT
 ATGAGGTCTCGTAAACAGGGTCTTGACAATGTTCAAAACAGAGGGTGGCAGAAGTGTCAATGACCCTG
 AGAACATGGAGAAGCGCAGGAGCCGTGAGAGCCTCAACGTGGAGCTGGTCAAGTACGAGAGTGGCCCTGA
 CGGAGGGGAGGAAGTGAATGAGCGTAGAGTGAACGGGGGCGTCTCTGGCCGAGCCTCTTTTGTGGA
 AAACGACAGCAGCAGCAGTGGCCTGGAAGACGCCACCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MYDNMSTMVYIKEDKLEKLTQDEIISKTKQVIQGLEALKNEHNSILQSLLETCLKLKKDDSNLVEEKSN
 MIRKSLEMLELGLSEAQVMMALSNHLNAVESEKQLRAQVRRLCQENQWLRDELANTQQKLQKSEQSVAQ
 LEEKKHLEFMNQLKKYDDDISPSEKDTSTKEPLDDLFPNDEDDPGQGIQQQHSSAAAAAQGGYEIP
 ARLRTLHNLVIQYASQGRYEVAVPLCKQALEDKTSGHDHPDVATMLNILALVYRDQNKYKDAANLLND
 ALAIREKTLGKDHPAVALNNLAVLYGKRKYKEAEPLCKRALEIREKVLGKDHPDVAQLNNLALLCQ
 NQGYEEVEYYYQRALEIYQTKLGPDDPNVAKTKNNLASCYLKQGKFKQATLYKEILTRAHEREFGSVD
 DENKPIWMHAEERECKGKQKDGTSFGEYGGWYKACKVDSPTVTTTLKNL GALYRRQKFEAAETLEAA
 MRSRKQGLDNVHKQRAEVLNDPENMEKRRSRESLNDVVKYESGPDGGEEVSMSVEWNGGVSGRASFCG
 KRQQQWPGRHR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_182923
ORF Size:	1719 bp
Buffer:	PBS with 0.001% Pluronic F8135
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_182923.2</u> , <u>NP_891553.2</u>
RefSeq Size:	2548 bp
RefSeq ORF:	1722 bp
Locus ID:	3831
UniProt ID:	<u>Q07866</u>
Cytogenetics:	14q32.33
MW:	65.1 kDa