

## Product datasheet for **RC223229A1V**

### Human KCNK10 (NM\_138317) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human KCNK10 (NM_138317) AAV Particle
Tag:	Myc-DDK
Symbol:	KCNK10
Synonyms:	K2p10.1; PPP1R97; TREK-2; TREK2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>RC223229 representing NM\_138317  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGAAATTTCCAATCGAGACGCCAAGAAAACAGGTGAACTGGGATCCTAAAGTGGCCGTTCCCGCAGCAG  
 CACCGGTGTGCCAGCCCAAGAGCGCCACTAACGGGCAACCCCGGCTCCGGCTCCGACTCCAACCTCCGCG  
 CCTGTCCATTTCTCCCGAGCCACAGTGGTAGCCAGGATGGAAGGCACCTCCCAAGGGGCTTGACAGACC  
 GTCATGAAGTGAAGACGGTGGTTGCCATCTTTGTGGTTGTGGTGGTCTACCTTGTCACTGGCGGTCTTG  
 TCTTCCGGCATTGGAGCAGCCCTTTGAGAGCAGCCAGAAGAATACCATCGCCTTGAGAAAGGGGAATT  
 CCTGCGGGATCATGTCTGTGTGAGCCCCAGGAGCTGGAGACGTTGATCCAGCATGCTCTTGATGCTGAC  
 AATGCGGGAGTCAGTCCAATAGGAACTCTTCCAACAACAGCAGCCACTGGGACCTCGGCAGTGCCTTTT  
 TCTTTGCTGGAATGTCATTACGACCATAGGGTATGGGAATATTGCTCCGAGCACTGAAGGAGGCAAAAT  
 CTTTTGATTTTATATGCCATCTTTGGAATCCACTCTTTGGTTTCTTATTGGCTGGAATTGGAGACCAA  
 CTTGGAACCATCTTTGGAAAAGCATTGCAAGAGTGGAGAAGGCTTTTCGAAAAAGCAAGTGAGTCAGA  
 CCAAGATCCGGGTCATCTCAACCATCCTGTTTATCTTGGCCGGCTGCATTGTGTTTGTGACGATCCCTGC  
 TGTCATCTTTAAGTACATCGAGGGCTGGACGGCCTTGAGTCCATTTACTTTGTGGTGGTCACTCTGACC  
 ACGGTGGGCTTTGGTGATTTTGTGGCAGGGGAAACGCTGGCATCAATATCGGGAGTGGTATAAGCCCC  
 TAGTGTGGTTTTGGATCCTTGTGGCCTTGCCACTTTGCAGCTGTCTCAGTATGATCGGAGATTGGCT  
 ACGGTTCTGTCCAAAAGACAAAAGAAGAGGTGGGTGAAATCAAGGCCCATGCGGCAGAGTGAAGGCC  
 AATGTCACGGCTGAGTTCGGGAGACACGGCGAAGGCTCAGCGTGGAGATCCACGATAAGCTGCAGCGGG  
 CGGCCACCATCCGACGATGGAGCGCCGGCGGCTGGCCCTGGACCAGCGGGCCCACTGACATGCT  
 GTCCCCGAGAAGCGCTCTGTCTTTGCTGCCCTGGACACCGGCCGCTCAAGGCCCTATCCAGGAGAGC  
 ATCAACAACCGGCCCAACAACCTGCGCCTGAAGGGGCCGAGCAGCTGAACAAGCATGGGCAGGTGCGT  
 CCGAGGACAACATCATCAACAAGTTCGGGTCCACTCCAGACTCACCAAGAGGAAAAACAAGGACCTCAA  
 AAAGACCTTGCCCGAGGACGTTCCAGAAAATCTACAAGACCTTCCGGAATTACTCCCTGGACGAGGAGAAG  
 AAAGAGGAGGAGACGGAAGAGTGTGTAACCTCAGACAACCTCCAGCACAGCCATGCTGACGGACTGTATCC  
 AGCAGCACGCTGAGTTGGAGAACGGAATGATACCACGGACACCAAGACCGGGAGCCGGAGACAACACT  
 ATTACTGAAGACAGAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC223229 representing NM\_138317  
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MKFPETPRKQVNWDPKVAVPAAPVCPKQPKSATNGQPPAPAPTPTPRLISSRATVVARMEGTSQGGTQT  
 VMKWKTVVAIFVVVVVYLVTTGGLVFRALQPFESSQKNTIALEKAEFLRDHVCVSPQELETLIQHLDAD  
 NAGVSPIGNSSNNSHWDLGSAFFAGTVITTTIGYGNIAIPSTEGGKIFCIFYAIFGIPLFGFLLAGIGDQ  
 LGTIFGKSIARVEKVFRRKQVSQTKIRVISTILFILAGCIVFVTIPAVIFKYIEGWTALESIFYVVVTLT  
 TVGFGDFVAGGNAGINREWYKPLVWFWILVGLAYFAAVLSMIGDWLRVLSKKTKEEVGEIKAHAAEWKA  
 NVTAEFRETRRRRLSVEIHDKLQRAATIRSMERRRLGLDQRAHSLDMLSPEKRSVFAALDTRFKASSQES  
 INNRPNNLRKLGPEQLNKHGQASDNIINKFGSTSRLTKRKNKDLKTLPEVDQKIYKTFRNYSLDEEK  
 KEEETEKMCSNDSSTAMLTDICIQHAELNGMIPTDTKDREPENNSLLEDRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_138317

<b>ORF Size:</b>	1629 bp
<b>Buffer:</b>	PBS with 0.001% Pluronic F68
<b>Stability:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_138317.1</a></u>
<b>RefSeq Size:</b>	2484 bp
<b>RefSeq ORF:</b>	1632 bp
<b>Locus ID:</b>	54207
<b>UniProt ID:</b>	<u><a href="#">P57789</a></u>
<b>Cytogenetics:</b>	14q31.3
<b>MW:</b>	60.2 kDa