

Product datasheet for **RC213421A1V**

Human KCNQ4 (NM_172163) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human KCNQ4 (NM_172163) AAV Particle
Tag:	Myc-DDK
Symbol:	KCNQ4
Synonyms:	DFNA2; DFNA2A; KV7.4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC213421 representing NM_172163
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCCGAGGCCCGCGCCCTCGGCCTGGGTCCCCCGCCGGGACGCCCCCGCGCGGAGCTAG
 TGGCGCTCACGGCCGTGCAGAGCGAACAGGGCGAGGCGGGGCGGCTCCCCGCGCCGCTCGGCCT
 CCTGGGCGAGCCCCCTGCCGCGGGCGGCCCTCCCTGGGCGGGCTCCGGCTCGGGCTCCGCTCGCGG
 CAGCGCTCCTCGGCCGCGCACAAAGCGTACCGCCGCTGCAGAACTGGGTCTACAACGTCTGGAGCGGC
 CCCGCGCTGGGCTTCGTCTACCACGTCTTCATATTTTGTGGTCTTCAGCTGCCTGGTGTCTGTGT
 GCTGTCCACTATCCAGGAGCACCAGGAACCTGCCAACGAGTGTCTCTCATCTTGAATTCGTGATGATC
 GTGGTTTTCGGCTTGAGTACATCGTCCGGTCTGGTCCGCGGATGCTGCTGCCGCTACCGAGGATGGC
 AGGGTCGCTTCGCTTTGCCAGAAAGCCCTTCTGTGTCATCGACTTCATCGTGTTCGTGGCCTCGGTGGC
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 GGAGCAGCACCAGGAGCAAGCACTTCGAGAAGCGGAGGATGCCGGCAGCAACCTCATCCAGGCTGCCTGG
 CGCCTGTACTCCACCGATATGAGCCGGGCTACCTGACAGCCACCTGGTACTACTATGACAGTATCCTCC
 CATCCTTCAGCAGCCGGATGGGCATCAAAGACCGCATCCGCATGGGAGCTCCAGCGGCGGAGGGTCC
 TTCCAAGCAGCATCTGGCACCTCCAACAATGCCACCTCCCCAAGCAGCGAGCAGGTGGGTGAGGCCACC
 AGCCCCACCAAGGTGCAAAAGAGCTGGAGCTTCAATGACCGCACCCGCTTCGGGCATCTCTGAGACTCA
 AACCCCGCACCTCTGCTGAGGATGCCCCCTCAGAGGAAGTAGCAGAGGAGAAGAGCTACCAAGTGTGAGCT
 CACGGTGGACGACATCATGCCTGCTGTGAAGACAGTCATCCGCTCCATCAGGATTCTCAAGTTCTGGTG
 GCCAAAAGGAAATTCAAGGAGACACTGCGACCGTACGACGTGAAGGACGTCATTGAGCAGTACTCAGCAG
 GCCACCTGGACATGCTGGGCGGATCAAGAGCCTGCAAACTCGGGTGACCAAAATTGTGGGTGGGGGCC
 CGGGGACAGGAAGGCCCGGAGAGGGGACAAAGGGCCCTCCGACGCGGAGGTGGTGGATGAAATCAGC
 ATGATGGGACGCGTGGTCAAGGTGGAGAAGCAGGTGCAGTCCATCGAGCACAAGCTGGACCTGCTGTTGG
 GCTTCTATTGCGCTGCCTGCGCTCTGGCACCTCGGCCAGCCTGGGCGCCGTGCAAGTGCCTGTTTGA
 CCCCAGACATCACTCCGACTACCACAGCCCTGTGGACCAGGAGCATCTCCGTCTCCGACAGACGCTC
 AGCATCTCCGCTCGGTGAGCACAACATGGAC

AC**CGGCCG**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC213421 representing NM_172163 Red=Cloning site Green=Tags(s) MAEAPPRRLGLGPPPGDAPRAELVALTAVQSEQGEAGGGGSPRRLGLLGSPLPPGAPLPGPGSGSGSACG QRSSAAHKRYRRLQNWVYNVLERPRGWAFVYHVFIFLLVFSCLVLSVLSTIQEHQELANECLLILEFVMI VVFGLLEYIVRVWSAGCCCRYRGWQGRFRFARKPFCVIDFIVFVASVAVIAAGTQGNIFATSALRSMRFLQ ILRMVRMDRRGGTWKLLGSVVYAHSKELITAWYIGFLVLIFASFLVYLAEKDANSDFSSYADSLWWGTIT LTTIGYGDKTPHTWLGRVLAAGFALLGISFFALPAGILGSGFALKVQEQRQKHFEKRRMPAANLIQAAW RLYSTMSRAYLTATWYYYDSILPSFSSRMGIKDRIMGSSQRRRTGPSKQHLAPPTMPTSPSSEQVGEAT SPTKVQKSWSFNDRTFRASRLKPRTS AEDAPSEEVAAEEKSYQCELTVDDIMPAVKTVIRSIRILKFLV AKRKFKETLRPYDKDVIEQYSAGHLDMLGRIKSLQTRVDQIVGRGPGDRKAREKGDKGPSDAEVVDEIS MMGRVVKVEKQVQSIEHKDLLLGFYSRCLRSGETSASLGAVQVPLFDPDITS DYHSPVDHEDISVSAQTL SISRSVSTNMD TRRLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_172163
ORF Size:	1923 bp
Buffer:	PBS with 0.001% Pluronic F7048
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_172163.1</u>
RefSeq Size:	2173 bp
RefSeq ORF:	1926 bp
Locus ID:	9132
UniProt ID:	<u>P56696</u>
Cytogenetics:	1p34.2
MW:	71 kDa