

Product datasheet for **RC220242A1V**

Human KCNQ4 (NM_004700) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human KCNQ4 (NM_004700) 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:

>RC220242 representing NM_004700
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCCGAGGCCCGCCGCGCCTCGGCCTGGGTCCCCCGCCGGGACGCCCCCGCGCGGAGCTAG
 TGGCGCTCACGGCCGTGCAGAGCGAACAGGGCGAGGCGGGCGGGCGGCTCCCCGCGCCGCTCGGCCT
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 AGGGTCGCTTCGCTTTGCCAGAAAGCCCTTCTGTGTCATCGACTTCATCGTGTTCGTGGCCTCGGTGGC
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 CGCCTGTACTCCACCGATATGAGCCGGGCTACCTGACAGCCACCTGGTACTACTATGACAGTATCCTCC
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 GTCATTGAGCAGTACTCAGCAGGCCACCTGGACATGCTGGGCCGGATCAAGAGCCTGCAAACTCGGTGG
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 GGAGGTGGTGGATGAAATCAGCATGATGGGACGCGTGGTCAAGGTGGAGAAGCAGGTGCAGTCCATCGAG
 CACAAGCTGGACCTGCTGTTGGGCTTCTATTGCGCTGCCTGCGCTCTGGCACCTCGGCCAGCCTGGGCG
 CCGTGCAAGTGCCGCTGTTGACCCGACATCACCTCCGACTACCACAGCCCTGTGGACCAGGAGCAT
 CTCCGTCTCCGCACAGACGCTCAGCATCTCCGCTCGGTGAGCACCAACATGGAC

ACCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC220242 representing NM_004700 Red=Cloning site Green=Tags(s) MAEAPPRRLGLGPPPGDAPRAELVALTAVQSEQGEAGGGGSPRRLGLLGSPLPPGAPLPGPGSGSGSACG QRSSAAHKRYRRLQNWVYNVLERPRGWAFVYHVFIFLLVFSCLVLSVLSTIQEHQELANECLLILEFVMI VVFGLLEYIVRVWSAGCCCRYRGWQGRFRFARKPFCVIDFIVFVASVAVIAAGTQGNIFATSALRSMRFLQ ILRMVRMDRRGGTWKLLGSVVYAHSKELITAWYIGFLVLIFASFLVYLAEKDANSDFSSYADSLWWGTIT LTTIGYGDKTPHTWLGRVLAAGFALLGISFFALPAGILGSGFALKVQEQRQKHFEKRRMPAANLIQAAW RLYSTMSRAYLTATWYYYDSILPSFRELALLFEHVQARNGGLRPLEVRRAPVPDGPASRYPPVATCHR PGSTSFCEGSSRMGIKDRIRMSSQRRGTGPSKQHLAPPTMPTSPSSEQVGEATSPTKVQKSWSFNDRTR FRASRLKPRTSAPSEAEKSYQCELTVDIMPVKTIVRSIRILKFLVAKRKFETLRPYDVKD VIEQYSAGHLDMLGRIKSLQTRVDQIVGRGPGDRKAREKGDKGPSDAEVVDEISMGRVVKVEKQVQSIE HKLDLLLGFYSRCLRSGTSASLGAVQVPLFDPDITSDYHSPVDHEDISVSAQTLISRSVSTNMD TRRLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_004700
ORF Size:	2085 bp
Buffer:	PBS with 0.001% Pluronic F8142
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_004700.2</u>
RefSeq Size:	2335 bp
RefSeq ORF:	2088 bp
Locus ID:	9132
UniProt ID:	<u>P56696</u>
Cytogenetics:	1p34.2
MW:	76.9 kDa