

## Product datasheet for **RC213543A1V**

### Human Kir4.1 (KCNJ10) (NM\_002241) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human Kir4.1 (KCNJ10) (NM_002241) AAV Particle
Tag:	Myc-DDK
Symbol:	Kir4.1
Synonyms:	BIRK-10; KCNJ13-PEN; KIR1.2; KIR4.1; SESAME
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC213543 representing NM_002241 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACGTCAGTTGCCAAGGTGTATTACAGTCAGACCACTCAGACAGAAAGCCGGCCCTAATGGGCCAG  
GGATACGACGGCGGAGAGTCCTGACAAAAGATGGTCGCAGCAACGTGAGAATGGAGCACATTGCCGACAA  
GCGCTTCTCTACCTCAAGGACCTGTGGACAACCTTCATTGACATGCAGTGGCGCTACAAGCTTCTGCTC  
TTCTCTCGGACCTTTGCAGGCACATGGTTCTCTTTGGCGTGGTGTGGTATCTGGTAGCTGTGGCAGATG  
GGGACCTGCTGGAGCTGGACCCCCGGCCAACCACACCCCTGTGTGGTACAGGTGCACACACTCACTGTG  
AGCCTTCTCTTCTCCCTTGAATCCCAAACCACCATTTGGCTATGGCTTCCGCTACATCAGTGAGGAATGT  
CCTACTGGCCATTGTGCTTCTTATTGCCAGCTGGTGTCTACCACCATCCTGAAAATCTTCATCACAGGTA  
CCTTCTGGCGAAGATTGCCCGGCCAAGAAGCGGGCTGAGACCATTCTTTAGCCAGCATGCAGTTGT  
GGCCTCCACAATGGCAAGCCCTGCCTCATGATCCGAGTTGCCAATATGCGCAAAAGCCCTCATTGGC  
TGCCAGGTGACAGGAAAAGTCTTCCAGCCACCAACCAAGGAAGGGGAGAACATCCGGCTCAACCAGG  
TCAATGTGACTTTCCAAGTAGACACAGCCTCTGACAGCCCTTCTTATTCTACCCCTTACCTTCTATCA  
TGTGGTAGATGAGACCAGTCCCTTCAAAGATCTCCCTCTTCGAGTGGTGGGAGGTTGAGCTGGT  
CTGATCCTAAGTGGGACAGTGGAGTCCACCAGTCCACCTGTCAGGTGCGCACTTCTACCTGCCAGAGG  
AGATCCTTTGGGGCTACGAGTTACACCTGCCATCTCACTGTCAGCCAGTGGTAAATACATAGCTGACTT  
TAGCCTTTTTGACCAAGTTGTGAAAGTGGCCTCTCCTAGTGGCCTCCGTGACAGCACTGTACGCTACGGA  
GACCCTGAAAAGCTCAAGTTGGAGGAGTCATTAAGGGAGCAAGCTGAGAAGGAGGGCAGTGCCCTTAGTG  
TGCGCATCAGCAATGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Protein Sequence:</b>	>RC213543 representing NM_002241 Red=Cloning site Green=Tags(s)  MTSVAKVYYSQTTQTESRPLMGPGIRRRRVLTkdGRSNVRMEHIADKRFLYLKDLWTTFIDMQWRYKLLL FSATFAGTWFLFGVVWYLVAVAHGDLELDPPANHTPCVVQVHTLTGAFLFSLESQTTIGYGFRYISEEC PLAIVLLIAQLVLTITILEIFITGTFLAKIARPKKRAETIRFSQHAVVASHNGKPCLMIRVANMRKSLIG CQVTGKLLQTHQTKEGENIRLNQVNVTFQVDTASDSPFLILPLTFYHVVDETSPLKDLPLRSGEQDFELV LILSGTVESTSATCQVRTSYLPEEILWGYEFTPAISLSASGKYIADFLFDQVVKVASPSGLRDSTVRYG DPEKLLKEESLREQAEKEGSALSVRISNV  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Species:</b>	Human
<b>Serotype:</b>	AAV-2
<b>ACCN:</b>	NM_002241
<b>ORF Size:</b>	1137 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>	<a href="#">NM_002241.2</a>
<b>RefSeq Size:</b>	4515 bp
<b>RefSeq ORF:</b>	1140 bp
<b>Locus ID:</b>	3766
<b>UniProt ID:</b>	<a href="#">P78508</a>
<b>Cytogenetics:</b>	1q23.2
<b>MW:</b>	42.3 kDa