

Product datasheet for **RC208133A1V**

Human NEK2 (NM_002497) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human NEK2 (NM_002497) AAV Particle
Tag:	Myc-DDK
Symbol:	NEK2
Synonyms:	HsPK21; NEK2A; NLK1; PPP1R111; RP67
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC208133 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGCCTTCCCGGCTGAGGACTATGAAGTGTGTACACCATTGGCACAGGCTCCTACGGCCGCTGCCAGA
 AGATCCGGAGGAAGAGTGATGGCAAGATATTAGTTTGGAAAGAACTTGACTATGGCTCCATGACAGAAGC
 TGAGAAACAGATGCTTGTCTGAAGTGAATTTGCTTCGTGAAGTGAACATCCAAACATCGTTCGTTAC
 TATGATCGGATTATTGACCGGACCAATACAACACTGTACATTGTAATGGAATATTGTGAAGGAGGGGATC
 TGGCTAGTGTAATTACAAAGGGAACCAAGGAAAGGCAATACTTAGATGAAGAGTTTGTCTTCGAGTGAT
 GACTCAGTTGACTCTGGCCCTGAAGGAATGCCACAGACGAAGTATGGTGGTATACCGTATTGCATCGG
 GATCTGAAACCAGCCAATGTTTTCTGGATGGCAAGCAAAACGTCAAGCTTGAGACTTTGGGCTAGCTA
 GAATATTAACCATGACACGAGTTTTGCAAAAACATTTGTTGGCACACCTTATTACATGTCTCCTGAACA
 AATGAATCGCATGTCTACAATGAGAAATCAGATATCTGGTCATTGGGCTGCTTGTGTATGAGTTATGT
 GCATTAATGCCTCCATTTACAGCTTTTAGCCAGAAAGAACTCGCTGGGAAAAATCAGAGAAAGGCAATTCA
 GGCGAATTCCATACCGTTACTCTGATGAATTGAATGAAATTATTACGAGGATGTTAACTTAAAGGATTA
 CCATCGACCTTCTGTTGAAGAAATCTTGAGAACCTTTAATAGCAGATTTGGTTGCAGACGAGCAAGA
 AGAAATCTTGAGAGAAGAGGGCGACAATTAGGAGAGCCAGAAAAATCGCAGGATTCAGCCCTGTATTGA
 GTGAGCTGAACTGAAGGAAATTCAGTTACAGGAGCGAGAGCGAGCTCTCAAAGCAAGAGAAGAAAGATT
 GGAGCAGAAAGAACAGGAGCTTTGTGTTCTGAGAGACTAGCAGAGGACAAACTGGCTAGAGCAGAAAAT
 CTGTTGAAGAACTACAGCTTGCTAAAGGAACGGAAGTTCTGTCTCTGGCAAGTAATCCAGAACTTCTTA
 ATCTTCCATCCTCAGTAATTAAGAAGAAAGTTCAATTTAGTGGGAAAGTAAAGAGAACATCATGAGGAG
 TGAGAATTCTGAGAGTCAGCTCACATCTAAGTCCAAGTCAAGGACCTGAAGAAAAGGCTTCACGCTGCC
 CAGCTGCGGGCTCAAGCCCTGTCAGATATTGAGAAAAATTACCAACTGAAAAGCAGACAGATCCTGGGCA
 TGCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208133 protein sequence
 Red=Cloning site Green=Tags(s)

MPSRAEDYEVLTYIGTGSYGRCQKIRRKSDGKILVWKELDYGSMTAEKQMLVSEVNLLRELKHPNIVRY
 YDRIIDRTNTTLYIVMEYCEGGDLASVITKGTAKERQYLDEEFVLRVMTQLTLALKECHRRSDGGHTVLHR
 DLKPANVFLDGKQNVKLGDGFLARILNHDTSFAKTFVGTPTYMSPEQMNRMSEYNEKSDIWSLGCLLYELC
 ALMPPTAFSQQELAGKIREGKFRIPYRYSDELNEIITRMLNLKDYHRPSVEEILENPLIADLVADEQR
 RNLERRGRQLGEPEKSDSPVLSLKLKEIQLQERERALKAREERLEQKEQELCVRRERLAEDKLARAEN
 LLKNYSLLKERKFLSLASNPENLNPSSVIKKKVHFSGESKENIMRSENESQLTSKSKCKDLKKRLHAA
 QLRAQALSDIEKNYQLKSRQILGMR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_002497

ORF Size:

1335 bp

Buffer:

PBS with 0.001% Pluronic F68

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_002497.2</u>
RefSeq Size:	2161 bp
RefSeq ORF:	1338 bp
Locus ID:	4751
UniProt ID:	<u>P51955</u>
Cytogenetics:	1q32.3
MW:	51.8 kDa