

Product datasheet for **RC209623A1V**

Human NEK5 (NM_199289) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human NEK5 (NM_199289) AAV Particle
Tag:	Myc-DDK
Symbol:	NEK5
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC209623 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGATAAGTACGATGTGATTAAGGCCATCGGGCAAGGTGCCTTCGGGAAAGCATACTTAGCTAAAGGGA
AATCAGATAGCAAGCACTGTGTCATAAAAGAGATCAATTTTGAAAAGATGCCCATACAAGAAAAAGAAGC
TTCAAAGAAAGAGTGATTCTTCTGAAAAGATGAAACATCCCAACATTGTAGCCTTCTTCAATTCATTT
CAAGAGAATGGCAGGCTGTTTATTGTAATGGAATATTGTGATGGAGGGGATCTCATGAAAAGGATCAATA
GACAACGGGTGTGTTATTTAGTGAAGATCAGATCCTCGGTTGGTTTGACAGATTTCTCTAGGACTAA
ACATATTCATGACAGGAAGATATTACACAGGGACATAAAAGCTCAGAACATTTTTCTTAGCAAGAACGGA
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GTATTGGAACACCTTACTACCTGTCCCAGAGATCTGTCAGAATAAACCTACAACAATAAACGGATAT
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CAGCTGGTTCTGAAGATTGTCAAGCACATTTTGCCCCAATATCTCCGGGGTTTTCTCGTGAGCTCCATT
CCTTGATATCTCAGCTCTTTCAAGTATCTCTCGAGACCGACCATCCATAAAATCCATTTTGAAAAGGCC
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TCCATCCCCAAGTCAATGGCCTGCTGAGTACCTTCAGAGAAAATTTGAAGCTCAACAATATAAGTTGAAA
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GGCACGATCTTGGCTCACCGCAACCTCCGCTCCCAGGACATTGAAAAAGACTTGAAACAAATGAGGCTT
CAGAACACAAAGGAAAGTAAAAATCCAGAACAGAAATATAAAGCTAAGAAGGGGGTAAATTTGAAATTA
ATTTAGACAAATGTATTTCTGATGAAAACATCCTCCAAGAGGAAGAGGCAATGGATATACCAATGAAAC
TTTGACCTTTGAGGATGGCATGAAGTTAAGGAATATGAATGTGTAAAGGAGCATGGAGATTATACAGAC
AAAGCATTTGAAAAACTTCACTGCCCAGAAGCAGGGTTTTCCACGCAGACTGTAGCTGCTGTGGGAAACA
GGAGGCAGTGGGATGGAGGAGCGCTCAGACTCTGCTGCAGATGATGGCAGTGGCCGACATCACCTCCAC
CTGCCCCACGGGGCTGACAGTGAGTCTGTGCTTAGCGTCAGTCGTCAGGAAGGAAGACCAAGGACCCG
TACAGCCCAGTGCTCATCCTGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC209623 protein sequence Red=Cloning site Green=Tags(s) MDKYDVIKAIQGAFGKAYLAKGKSDSKHCVIKEINFEKMPIQEKEASKKEVILLEKMKHPNIVAFFNSF QENGRLFIVMEYCDGGDLMKRINRQGVLFSEDQILGWVQISLGLKHIHDRKILHRDIKAQNIFLSKNG MYAKLGDFGIARVLNNSMELARTCIGTPYYLSPEICQNKPYNNKTDIWSLGCVLVELCTLKHPFEGNNLQ QLVLKICQAHFAPISPGFSRELHSLISQLFQVSPDRPSINSILKRPFLNLIPKYL TPEVIQEEFSHML ICRAGAPASRHAGKVQKCKIQKVRVQKGCPPRSRISVPIKRNALHRNEWPPAGAQAQARSIKMIERPK IAAVCGHYDYYYAQLDMLRRRAHKPSYHIPQENTGVEDYGQETRHPSPSQWPAEYLQRKFEAQYKLLK VEKQLGLRPSSAEPNYNQRQELRSNGEERPFQELPFRKNEMKEQEYWKQLEEIRQQYHNDMKEIRKKMGR EPEENSKI SHKTYLVKKNLPHVDASEGEAPVQMEFRSCCPGWSAMARSWLTATSASQDIEKDLKQMR LQNTKESKNPEQKYKAKKGVKFEINLDCISDENILQEEAMDIPNETLTFEDGMKFKEYECVKEHGDYTD KAFEKLHCPEAGFSTQTVAAVGNRRQWDGGAPQTLLQMMAVADITSTCPTGPDES SVSRQEGTKD P YSPVLILM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_199289
ORF Size:	2124 bp
Buffer:	PBS with 0.001% Pluronic F6473
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_199289.1</u>
RefSeq Size:	2949 bp
RefSeq ORF:	2127 bp
Locus ID:	341676
UniProt ID:	<u>Q6P3R8</u>
Cytogenetics:	13q14.3
MW:	81.4 kDa