

Product datasheet for **RC216021A1V**

Human NEK8 (NM_178170) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human NEK8 (NM_178170) AAV Particle
Tag:	Myc-DDK
Symbol:	NEK8
Synonyms:	JCK; NEK12A; NPHP9; RHPD2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC216021 representing NM_178170
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAAGTACGAGCGGATCCGAGTGGTGGGAGAGGTGCCTTCGGGATTGTGCACCTGTGCCTGCGAA
 AGGCTGACCAGAAGCTGGTGATCATCAAGCAGATTCCAGTGGAACAGATGACCAAGGAAGAGCGGCAGGC
 AGCCCAGAATGAGTGCCAGGTCTCAAGCTGCTCAACCAACCCCAATGTCATTGAGTACTACGAGAACTTC
 CTGGAAGACAAAGCCCTTATGATCGCCATGGAATATGCACCAGGCGGCACTCTGGCTGAGTTCATCCAAA
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 GGGCGTCTCATCTGTGGGAGGCCCCACCCCTAGGTGCAGGCGGAGGCAGTCTCCTTCTGGGGCAGTGG
 AGCAGCCACAGCCCCAGTTCATCTCGCGTTTCTGGAGGGCCAGTCGGGTGTGACCATCAAGCACGTGGC
 CTGTGGGGACTTCTTCACTGCCTGCCTGACTGACAGAGGCATCATCATGACATTGCGCAGCGGCAGCAAT
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 ATGCCCCCAGGACAGGAAGCTCAGCGAGTTGTATGTGGTATCGATTCTCCATGATCCTCACTGTGCCTG
 GCCAAGCCCTAGCCTGTGGGAGCAACAGGTTCAACAAGCTGGGCTGGACCACCTCTCCCTGGGGGAGGA
 GCCTGTCCCCCACCAGCAAGTGGAGGAGGCCCTGAGCTTCACACTACTAGGCTCTGCACCCCTGGACCAG
 GAGCCTCTGCTGAGTATAGACCTGGGCACTGCTCACTCAGCTGCTGTGACTGCCTCGGGTATTGCTACA
 CTTTTGGCAGCAATCAGCACGGACAGTTGGGCACCAATACTCGCCGAGGCAGTCGGGCACCCCTGTAAGGT
 CCAAGGCCTTGAGGGCATCAAGATGGCAATGGTAGCCTGTGGGGATGCCTTCACTGTAGCTATTGGGGCA
 GAGAGCGAAGTGTACTTTGGGGCAAAGGGGCGCAGGTCGATTGGGAAGGAGGGATGAGGATGCCGGAC
 TCCCTCGGCCAGTGCAGTTGGATGAGACACACCCCTTACACGGTGACTTCGGTGTCTGTTGCCATGGAAA
 CACCCTCCTGGCTGTTGATCGGTACAGATGAGCCGGTCCCCCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC216021 representing NM_178170 Red=Cloning site Green=Tags(s) MEKYERIRVVGRGAFGIVHLCLRKADQKLVIKQIPVEQMTKEERQAAQNECQVLKLLNHPNVIEYYENF LEDKALMIAMEYAPGGTAEFIQKRCNSLLEEETILHFFVQILLALHHVHTLILHRDLKTQNILLDKHR MVKIGDFGISKILSSKSKAYTVVGTPCYISPELCEGKPYNQKSDIWALGCVLYELASLKRAFEAANLPA LVLKIMSGTFAPISDRYSPELRQLVLSLLSLEPAQRPPLSHIMAQPLCIRALLNLHTDVGSVRMRAEKS VAPSNTGSRTTSVRCRGIPRGVVRPAIPPLSSVYAWGGGLGTPLRLPMLNTEVVQVAAGRTQKAGVTRS GRLILWEAPPLGAGGGSLLPGAVEQPQPQFISRFLEGQSGVTIKHVACGDFFTACLTDRGIIMTFGSGSN GCLGHGSLTDISQPTIVEALLGYEMVQVACGASHVLALSTERELFAWGRGDSGRLGLGTRESHSCPQQVP MPPGQEAQRVVCIDSSMILTVPGQALACGSNRFNKLGLDHLSLGEEPVPHQQVEEALSFTLLGSAPLDQ EPLL SIDLGT AHSAAVTASGDCYTFGSNQHGQLGTNTRRGSRAPCKVQGLEGIKAMAVACGDAFTVAIGA ESEVYSWGKGARGRLGRRDEDAGLPRPVQLDETHPYTVTSVSCCHGNTLLAVRSVTDEPVPP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_178170
ORF Size:	2076 bp
Buffer:	PBS with 0.001% Pluronic F7474
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_178170.2</u>
RefSeq Size:	2858 bp
RefSeq ORF:	2079 bp
Locus ID:	284086
UniProt ID:	<u>Q86SG6</u>
Cytogenetics:	17q11.2
MW:	74.6 kDa