

Product datasheet for **RC205775A1V**

Human NEK3 (NM_152720) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human NEK3 (NM_152720) AAV Particle
Tag:	Myc-DDK
Symbol:	NEK3
Synonyms:	HSPK36
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC205775 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGATGACTACATGGTCTGAGAATGATTGGGGAGGGCTCCTTCGGCAGAGCTCTTTGGTTTCAGCATG
 AAAGCAGTAATCAGATGTTTGCCATGAAAGAAATAAGGCTTCCCAAGTCTTCTCTAATACACAGAATTC
 TAGGAAGGAGGCTGTTCTTTAGCCAAATGAAACACCCTAATATTGTTGCCTTCAAAGAATCATTGAA
 GCTGAAGGACACTTGTATATTGTGATGGAATACTGTGATGGAGGGGATCTAATGCAAAAGATTAAACAGC
 AGAAAGGAAAGTTATTTCTGAAGACATGATACTTAATTGGTTTACCCAATGTGCCTTGGAGTAAATCA
 CATTACAAGAAACGTGTGCTACACAGAGATATCAAGTCCAAGAATATCTTCTCACTCAGAATGAAAA
 GTGAAATTGGGAGACTTTGGATCTGCCCGTCTTCTCTCAATCCGATGGCATTGCTTGTACCTATGTGG
 GAACTCCTTATTATGTGCTCCAGAAATTTGGGAAAACCTGCCTTATAACAATAAAAGTGACATCTGGTC
 CTTGGGTGTCATCTGTATGAACCTGTACCCTTAAGCATCCATTTAGGCAAAATAGTTGAAAAATCTT
 ATCCTCAAAGTATGTCAAGGGTGCATCAGTCCACTGCCGTCTCATTACTCCTATGAACCTCAGTTCTAG
 TCAAGCAGATGTTTAAAGGAATCCCTCACATCGCCCTCGGCTACAACGCTTCTCTCTCGAGGCATCGT
 AGCTCGGCTTGTCCAGAAGTGCTTACCCCCGAGATCATCATGGAATATGGTGAGGAAGTATTAGAAGAA
 AAAAAAATTCGAAGCATAACACACCAAGAAAAAACAACCCAGCAGAATCAGGATAGCTTTGGGAA
 ATGAAGCAAGCAGTGAAGAGGAAGAACAAGATAGAAAGGGTAGCCATACTGATTGGAAAGCATTAA
 TGAAAAATTTAGTTGAAAGTGATTGAGAAGAGTAAACAGAGAAGAAAAAGGTAAATAGTCAGTCCATCTG
 AGGAAAGCCAGTTCACCAATCTTCATAGACGACAGTGGGAGAAAAATGTACCAATACAGCTCTTACAG
 CTTTGGAAAAATGCATCCATACTACCTCCAGTTTAAACAGCAGAGGACGATAGAGGTGGTTCTGTAATAAA
 GTACAGCAAAAAATACTACTCGTAAGCAGTGGCTCAAAGAGACCCCTGACACTTTGTTGAACATCCTTAAG
 AATGCTGATCTCAGCTTGGCTTTTCAAACATACACAATATATAGACCAGGTTTCAAGAGGTTCTTGAAAG
 GCCCCTGTCTGAAGAAACAGAAGCATCGGACAGTGTGATGGAGGTACGATTCTGTCAATTTGGATCC
 AGAGCGACTTGAGCCTGGGCTAGATGAGGAGGACACGGACTTTGAGGAGGAAGATGACAACCCCGACTGG
 GTGTCAGAGCTGAAGAAGCGAGCTGGATGGCAAGGCTGTGCGACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205775 protein sequence
 Red=Cloning site Green=Tags(s)

MDDYMLRMIGESFGRALLVQHESNQMFAMKEIRLPKFSNTQNSRKEAVLLAKMKHPNIVAFKESFE
 AEGHLIYVMEYCDGGDLMQIKIQKQKGLFPEDMILNWFTQMCLGVNHIHKKRVLHRDIKSKNIFLTQNGK
 VKLGDGFSARLLSNPMAFACTYVGTPIYVPEIWENLPYNNKSDIWSLGCILYELCTLKHPFQANSWKNL
 ILKVCQGCISPLPSHYSYELQFLVKQMFKRNPSPHRPSATLLSRGIVARLVQKCLPPEIMEYGEVLEE
 IKNSKHNTPRKKTNPSPRIRIALGNEASTVQEEQDRKGSHTDLESINENLVESALRRVNRREEKGNKSVHL
 RKASSPNLHRRQWEKNVPNTALTALNASILTSSLTAEDDRGGSVIKYSKNTTRKQWLKETPDTLNLIK
 NADLSLAFQTYTIYRPGSEGLKGPLSEETEASDSVDGGHDSVILDPERLEPGLDEEDTDFEEDDNPDW
 VSELKKRAGWQGLCDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_152720

ORF Size:

1518 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_152720.1</u> , <u>NP_689933.1</u>
RefSeq Size:	2424 bp
RefSeq ORF:	1521 bp
Locus ID:	4752
UniProt ID:	<u>P51956</u>
Cytogenetics:	13q14.3
MW:	57.7 kDa