

Product datasheet for **MC200493**

Nek3 (NM_011848) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nek3 (NM_011848) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nek3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC005411 sequence for NM_011848
 GCAAGGAGCGGAGAAGCGACTCACGCCGCTGGGAGCTTGGGAGAGCCAGCAGTACTGGAGGGGTAGAGC
 CCAGCTGTGGCTGCCCGGCATGGACAACACACAGTCTGAGAGTGATTGGCCAGGGCTCCTTCGGCAGG
 GCTCTTTTGGTTCTGCAGGAAAGCAGCAATCAGACATTTGCCATGAAGGAAATCAGACTGCTCAAGTCTG
 ATACACAGACTTCTAGGAAAGAGGCTGTCTGCTCGCCAAAATGAAGCACCCCAATATTGTTGCCTTTAA
 GGAGTCATTTGAAGCTGAAGGGTACCTGTACATTGTGATGGAGTATTGTGACGGAGGGGATCTGATGCAG
 AGGATTAACAGCAAAAAGGGAAGTTATCCCCGAAGACACGATACTTAATTGGTTTATACAAATTTGTC
 TTGGAGTAAATCACATTATAAGAGACGTGTTTTACACAGAGATATCAAGTCGAAAAATGTCTTCCTCAC
 CCACAATGAAAAAGTGAATTGGGAGATTTGGCTCTGCCGCTTCTCTCCAGTCCCATGGCATTGCA
 TGCACGTACGTGGGGACACCTTATTATGTGCCTCCAGAAATCTGGGAGAACCTGCCTTACAACAATAAAA
 GTGACATCTGGTCTTGGGATGCATTCTGTATGAACTCTGCGCTCTGAAGCATCCATTCCAGGCAATAG
 TTGAAAAACCTGATCCTGAAAATATGCCAGGGGCCATCCACCCGCTGCCGGCTCTATACTCTGCAAG
 CTTCAGGACCTGGTCAAGCAGATGCTGAAAAGGAACCCTTCGCACCGCCCTCCGTCACAACCCTGCTCT
 GCAGGGTAGCTTGGCTCCATTGGTCTGAAGTCTTGCCTCAGATCATCAGAGAATATGGAGAACA
 GATATTAGATGAAATCAAATATCCACGCCTAAGAATATGAAAAACAGGACTCCAACAGAGTCGGGAGA
 GCTCTGGGAGAAGCAAACTCTGCCTCTATGCAAGAGGAAGAACGTGGTAGAAAGTGTAGCCATACTGAAT
 TGGAAAGCACTGGTACAACCCAGCTGGGAATGCATTGGGAAGAGCAGCCAGAGGAAATCCAGGTAAACC
 ACAGGAGCACGGGAGGCATACCAGTCCGGCAAGTCTCACAGGCCGCGTGGGAGAGACACGGTCCCAGT
 TCCAATGTGCAAGCTTTGGAGAAAGCATCCATCCTTACCTCCAGTTTACGGCAGAGGATGACAGAGGTG
 GGTCTGTGATAAAGTATGAAGAAAATGCCCGAAGGCAGTGGGTGAGAGAGCCCCTGAGGCCCTGTCTGTC
 AATGCTGAAGGACGCTGATCTCAGTCAGGCATTTCAAACATACACAATATATAGACCAGGTGCAGAAGGA
 TTCCTGAAAGTCCCCTTTCTGAAGACACGGCATCGGACAGCGTCGACGGTGTCTCGATTCTGTATGT
 TAGACCCAGAGAGATTTGAACCTCGGCTGGATGAAGAAGACACGGACTTTGAGGAAGATAACGAAAAACC
 TGATTGGCTGTGAGAACTAAAGAAGCACGTAGGATACGGGGATGGACCTGGTGGACAACCTCCTCGGAGAA
 TGTGCCTGAGTATGGCAAGACACTGGCGAGAGACACTGGCGAGAGACACTGATGGCTGGGAATGGAAGT
 GAGGCCTGAGAAAATGTATATCGCAAGTTTACAAAGCAATCCAGAACCCTAGCGAGATTTCAACACAACG
 GAGGTCTAGCAGATGCTTCGTGCCTTGTGTTCCGACAGAACGGAGATGCCATGCTCGTCTGCCGGCCACT
 ATGTGTGTGACACTAGGAAATGACTTAACTCCTTTGATCCCGAATCTTCTCAACTATAAATGAGAGTAA
 CAACGCCTACCTCATAGGAACACTCACGGCAACAGTTACAGCTGTCCAGTGCCTGTTATCCCAATTACC
 ATGTAACACTCTCACATTTCTAAAGGTTTAAGGATCTAAATACATTAAGCTATGGCATAAAAAAAAAA AAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_011848

Insert Size: 1530 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC005411](#), [AAH05411](#)

RefSeq Size: 2039 bp

RefSeq ORF: 1530 bp

Locus ID: 23954

Cytogenetics: 8 11.07 cM

Gene Summary: Protein kinase which influences neuronal morphogenesis and polarity through effects on microtubules. Regulates microtubule acetylation in neurons. Contributes to prolactin-mediated phosphorylation of PXN and VAV2.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region compared to variant 1. This results in a shorter isoform (2) compared to isoform 1.