

## Product datasheet for **MR208192**

### **Nek3 (NM\_011848) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nek3 (NM_011848) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nek3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR208192 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACAACACACAGTCTGAGAGTATTGGCCAGGGCTCCTTCGGCAGGGCTCTTTGGTTCTGCAGG  
 AAAGCAGCAATCAGACATTTGCCATGAAGGAAATCAGACTGCTCAAGTCTGATACACAGACTTCTAGGAA  
 AGAGGCTGTTCTGCTCGCCAAAATGAAGCACCCCAATATTGTTGCCTTTAAGGAGTCATTTGAAGCTGAA  
 GGGTACCTGTACATTGTGATGGAGTATTGTGACGGAGGGGATCTGATGCAGAGGATTAACAGCAAAAAG  
 GGAAGTTATCCCGAAGACACGATACTTAATTGGTTTATACAAATTTGCTTGGAGTAAATCACATTCA  
 TAAGAGACGTGTTTTACACAGAGATATCAAGTCGAAAAATGTCTTCTCACCCACAATGGAAAAGTGAAA  
 TTGGGAGATTTGGCTCTGCCCTCTTCTCCAGTCCCATGGCATTTCATGCACGTACGTGGGGACAC  
 CTTATTATGTGCCTCCAGAAATCTGGGAGAACCTGCCTTACAACAATAAAAGTGACATCTGGTCTTGGG  
 ATGCATTTCTGATGAACCTCTGCGCTCTGAAGCATCCATTCAGGCAAATAGTTGGAAAACTGATCCTG  
 AAAATATGCCAGGGGCCATCCACCCGCTGCCGGCTCTATACTCTGCAAGCTTCAGGACCTGGTCAAGC  
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 ATTGGTCTGAAGTGCTTGGCCCTCAGATCATCAGAGAAATGGAGAACAGATATTAGATGAAATCAAA  
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 CTGCCTCTATGCAAGAGGAAGAAGCTGGTAGAAAGTGTAGCCATACTGAATTGAAAAGCACTGGTACAAC  
 CCCAGCTGGGAATGCATTGGGAAGAGCAGCCAGAGGAAATCCAGGTAACCCACAGGAGCAGGGAGGCAT  
 ACCAGTCCGGCAAGTCTCACAGGCCCGGTGGGAGAGACACGGTCCCAGTTCGAATGTCGAAGCTTTGG  
 AGAAATGCCCGAAGGCAGTGGGTGAGAGAGCCCTGAGGCCTTGTGTCAATGCTGAAGGACGCTGAT  
 CTGAGTACAGCATTTCAACATACACAATATAGACCAGGTGCAGAAGGATTCTGAAAGTCCCTTT  
 CTGAAGACACGGCATCGGACAGCGTCGACGGTGTCTCGATTCTGTATGTTAGACCCAGAGAGATTTGA  
 ACCTCGGCTGGATGAAGAAGACACGGACTTTGAGGAAGATAACGAAAACCTGATTGGCTGTCAACTA  
 AAGAAGCAGTAGGATACGGGGATGGACCTGGTGGACAACCTCTCGGAGAATGTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208192 protein sequence  
 Red=Cloning site Green=Tags(s)

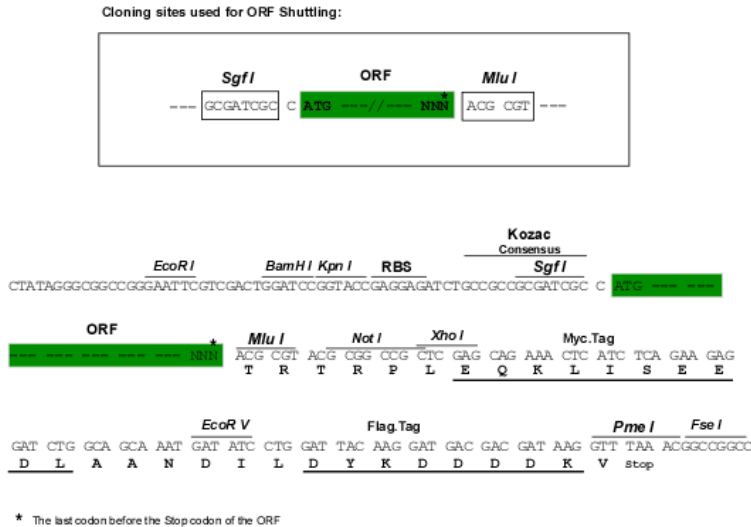
MDNYTVLRVIGQGSFGRALLVLQESSNQTFAMKEIRLLKSDTQTSRKEAVLLAKMKHPNIVAFKESFEAE  
 GYLYIVMEYCDGGDLMQRIKQQKGLFPEDTILNWFIIQICLVNHIHKRRVLRDRIKSNVFLTHNGKVK  
 LGDFGSARLLSSPMAFACTYVGTPIYVPEIENLWLPYNNKSDIWSLGCILYELCALKHPFQANSWKNLIL  
 KICQGPPIHPLPALYSCKLQDLVKQMLKRNP SHRPSVTLLCRGSLAPLVKCLPPQIIREYGEQILDEIK  
 ISTPKNMKKQDSNRVGRALGEANSASMQEERGRKCSHTELESTGTPAGNALGRAARGNPNPQEHGRH  
 TSPASPHRPRWERHGPSSNVEALEKASILTSSFTAEDDRGGSVIKYEENARRQWVREPPEALLSMLKAD  
 LSQAFQTYTIYRPGAEGFLKGPLSEDTASDSDVDLDSVMLDPERFEPRLDEEDTDFEEDNENPDWSEL  
 KKHVGYGDGPGGQLLGECA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_011848

ORF Size: 1530 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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 Size: 2044 bp

RefSeq ORF: 1530 bp

Locus ID: 23954

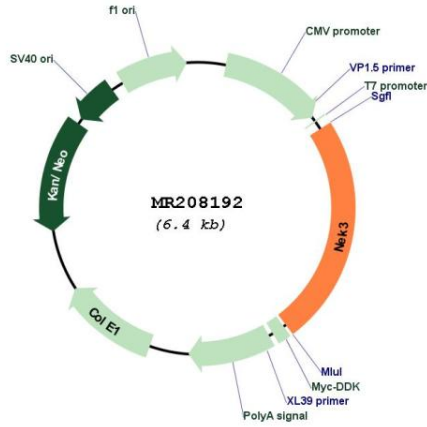
Cytogenetics: 8 11.07 cM

MW: 57.1 kDa

**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]

**Product images:**



Circular map for MR208192