

Product datasheet for **RR200662**

Nek11 (NM_001108182) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nek11 (NM_001108182) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nek11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200662 representing NM_001108182
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGAAATCCAAGAGACTGCTAAGTGTGGACCCACAGCCATTCTGTGTACCCACCCACTGTGATTG
 CAAGAAGATACGTTCTCCAACAGAAGCTTGGCAGCGGGAGTTTTGGAAGTGTCTATCTGGTGTGAGACAA
 GAAAGCCAAGCATGGAGAGGAACTAAAAGTACTGAAGGAAATCTCTGTTGGAGAATTAATCCAAATGAA
 AGTGTGCAGGCCAGTATGGAAGCCAGCTCCTGTCCACGCTAAACCATCCGGCCATCGTCAGGTTCCACG
 AAAGCTTCATGGAGCAGGTACATTTTGCATTATCACGGAGTACTGTGAGGGCCGAGATCTGGACTATAA
 AATCCAGGAATATAAAGAAGCTGGGAAAATCTTTCCTGACAATCAGATAGTGAATGTTTATCCAGTTG
 CTGCTTGGAGTTGATTACATGCATGAGAGGAGGATACTTCATCGAGACTTGAAATCAAAGAATATATTTT
 TGAATAAATCTACCCAAAATGGGGACTTTGGAGTTTCTCGGCTGCTGATGGGTTTCATGTGAGCTGGC
 TACAACCTAACCGGGACTCCCTATTATATGAGTCCAGAGGCCCTGAAGCACCAAGGCTGTGATGCCAAG
 TCTGACATCTGGTCACTGGCATGCATTTTATACGAGATGTGTTGCATGGATCATGCGTTTTCTGGCTCCA
 ATTTCTTGTCTGTGGTTTTGAATATCGTTGAAGGCAACACGCCTTCACTCCCTGACAGATACCCACGAGA
 ACTAAACATCATCATGTCACGCATGTTGAACAAGAGTCCCTCCCTGAGACCGTCCGCTGCAGAGATTTTA
 AAAGCCCCTTACGTGGAAGAGCGCCTTCAGCAGCTGATGTATAAACATCCAGAGGCGACACTGGAAGACA
 AGAGGAACTCAGCCTGTGAGAAGGAGGCTGCCATGCAGTTAACGCCATGCAGAGAGAGATTTACCTGCA
 GACTCTGCGAGCCTTGTGTGTAGTGCAGAAAATCACTCCACAGAACGGGTATGGCCGAGGAAGCTGCAG
 GCAGCTGATGAGAGAGCCAGGAGGCTGAAAAGATTACTGAAGGAAGAAGATATAAAGAAAATAACAAAA
 GGGCCAAAGAATAAGATCCCAGAACTTTGGGTCTGTGAGTGGCCATGTGCTCCAGGAATTAGATGAAT
 GACTCTGGAGAGCCTGTCTCAACCTCAGTCCCTTCCTTGCTGAACCTCGATGAACCTTGAGCCAGTTTA
 GAAGGCACCATTGTTGACCTCGGACATTATGAGATCCCAGAAGACCCGCTTGTGCTGAACAATATTATG
 CTGATGTATTTGATTCTGTTCTGAAGACAGTGGGGAGCAGGAGGAAGAAATGGCATTTCAGAGCAGG
 GGGAGACATGAGAGAGGAGGGATCCCCACCTACATACAGAACAACCAACAGGTACCCCTCCCGCTCTG
 GCCAGAAGAGATGTAGCTGTCCGCGGTGCTGACCGATTCTGGACTCAGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200662 representing NM_001108182
 Red=Cloning site Green=Tags(s)

MLKFQETAKCGPTAIPVYPPTVIARRYVLQQKLGSGSFGTVVYLVSDKKAKHGEELKVLKEISVGELNPNE
 SVQASMEAQLLSTLNHPAIVRFHESFMEQGTFCIITEYCEGRDLDYKIQEYKEAGKIFPDNQIVWFQIQL
 LLGVDMYHERRILHRDLKSKNIFLKNLPIKIGDFGVSRLLMGSCELATTLTGTPYYMSPEALKHQGCDAK
 SDIWSLACILYEMCCMDHAFSGSNFLSVVLNIVEGNTPSLPDRYPRELNIIMSRMLNKSPSLRPSAAEIL
 KAPYVEERLQQLMYKHPEATLEDKRNSACQKEAAHAVNAMQREIYLQTLRALCVVQKITPTERVVPRKLQ
 AADERARRLKKITEGRRYKENNKRKELRSQNFSGVSAHVLQELDEL TLESLSQPQSLPCLNLDELEPSL
 EGTIVDLGHYEIPEDPLVAEQYYADVFDSCEDSGEEEMAFSEAGGDMREEGSPPTYRTNQVPPPAL
 ARRDVAVRGAERILDSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001108182

ORF Size: 1521 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: [NM_001108182.1](#), [NP_001101652.1](#)

RefSeq Size: 2646 bp

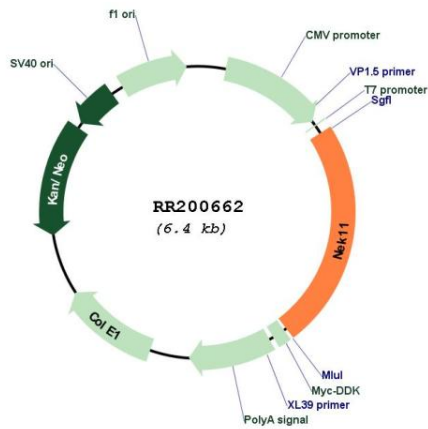
RefSeq ORF: 1524 bp

Locus ID: 315978

Cytogenetics: 8q32

MW: 57.4 kDa

Product images:



Circular map for RR200662