

Product datasheet for **RR215322**

Nek6 (NM_182953) Rat Tagged ORF Clone

Product data:

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|--------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Nek6 (NM_182953) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Nek6 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >RR215322 representing NM_182953 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGGACAGCCAGCCACATGCCTCATGGAGGGAGCCAAACCACCTCTGCCACGTGCTGGGGCCTG
CACACCTCCGGACCCACAGAGGCACCCAAACACCCTGTCTTTTCGCTGCTCACTGGCAGACTTCCAAAT
CGAGAAGAAGATTGGCCGAGGACAGTTCAGTGAGGTCTACAAGCCACCTGCCTGTGGACAGGAAGACA
GTGGCTCTGAAGAAGGTGCAGATTTTGTAGATGATGGATGCCAAAGCCAGACAGGACTGTGTCAAAGAAA
TTGGTCTCCTAAAGCAACTGAACCATCCAACATCATTAAGTACCTGGACTCCTTCATCGAAGACAATGA
GCTGAACATTGTGCTGGAGTTGGCTGACGCAGGTGACCTCTCACAGATGATCAAGTATTTCAAGAAGCAG
AAGCGGCTTATCCCTGAGAGGACTGTGTGGAAGTACTTCGTGCAGCTGTGCAGCGCTGTGGAGCACATGC
ATTCCCGACGTGTGATGCACCGAGACATCAAGCCTGCCAACGTGTTTCATCACAGCTACGGGCATCGTGAA
GCTTGGTGACCTCGGCCGGCCGCTTCTCAGCTCAGAGACCACTGCAGCCACTCGCTAGTGGGAACA
CCATACTATATGTCACCCGAGAGGATCCACGAGAATGGCTACAACCTCAAGTCAGACATCTGGTCCCTAG
GCTGCCTGCTGTATGAGATGGCAGCTCTCAGAGCCCCTTCTATGGAGATAAGATGAATCTTTCTCCCT
CTGCCAGAAGATTGAGCAGTGTGACTACCCGCCTCTCCGGGGGAGCACTACTCTGAGAAGCTTCGGGAA
CTGGTCAGCATGTGCATCTACCCGACCCTAACCCAGCCTGACATTGAGTATGTGCACCAAGGTGGCTA
AACAGATGCACGTCTGGACATCCAGCACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215322 representing NM_182953
 Red=Cloning site Green=Tags(s)

MAGQPSHMPHGGSPNHLCHVLGPAHPPDPQRHPNTLSFRCSLADFQIEKKIGRGQFSEVYKATCLLDRKT
 VALKKVQIFEMMDAKARQDCVKEIGLLKQLNHPNIIKYLDSFIEDNELNIVLELADAGDLSQMIKYFKKQ
 KRLIPERTVWKYFVQLCSAVEHMHSSRRVMHRDIK PANVFIATGIVKLGDLGLGRFFSSETTAAHSLVGT
 PYYMSPERIHENGYNFKSDIWSLGCLLYEMAALQSPFYGDKMNLFSLCQKIEQCDYPPLPGEHYSEKLR
 LVSMCIYPDPNHRPDIEYVHVQVAKQMHVWTSST

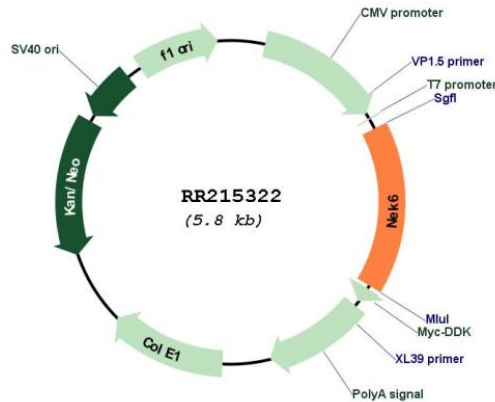
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_182953

| | |
|-------------------------------|---|
| ORF Size: | 939 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: | <ol style="list-style-type: none">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_182953.2 , NP_891998.1 |
| RefSeq Size: | 2316 bp |
| RefSeq ORF: | 942 bp |
| Locus ID: | 360161 |
| UniProt ID: | P59895 |
| Cytogenetics: | 3q12 |
| MW: | 35.8 kDa |
| Gene Summary: | may act as a serine/threonine protein kinase [RGD, Feb 2006] |