

## Product datasheet for **RN216687**

### **Nek2 (NM\_053691) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nek2 (NM_053691) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nek2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN216687 representing NM_053691 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGTCGCCGGTGGAGGACTACGAGGTGCTGCACAGCATCGGCACCGGCTCCTACGGCCGCTGTCAGA  
AGATTCGGAGGAAGAGCGACGGCAAGATCCTGGTGTGAAAGAAGTGGTACTGACTATGGCTCCATGACAGAGGT  
GGAGAAACAAATGCTTGTCTGAAGTGAAGTGGTTCGTCGAGCTGAAACATCCAACATCGTCCGTTAC  
TACGATCGTATTATCGACAGAACCAACACAACCCATACATTGTCATGGAGTACTGTGAGGCGGGGACC  
TGGCTAGTGTCTATTACAAAGGGGACCAAGGATAGACAATACTTAGAGGAAGAGTTTGTCTTCGAGTGAT  
GACTCAGTTGACTGCGCCCTGAAAGAGTGTACAGAAAGGAGCGATGGTGGCCACTGTACTTCACCGG  
GACCTAAAGCCAGCCAATGTCTTCTGGACAGCAAGCACAATGTCAAGCTTGGGGACTTTGGGCTAGCTA  
GAATATTGAATCACGACACAAGTTTGGCAAGACGTTTGTGGCACACCCATTACATGTCTCCTGAGCA  
AATAAGCCGCTTGTCTTACAATGAGAAGTCGGACATCTGGTCGCTGGGCTGCCTGCTGTATGAGCTGTGT  
GCACTAATGCCTCCATTTACAGCTTTCAACCAGAAAGAGTTAGCGGGGAAAATCAGGGAAGGAGGTTCC  
GGCGCATCCCCTACCGCTACTCTGATGGCTTGAATGACCTCATCACTCGGATGCTGAATTTAAAGGACTA  
CCATCGACCTTCAGTGGAGGAAATTCGGAGAGCCCTTTGATAGCAGACTTGGTTGAGAAAGAGCAAGG  
AGAAATCTGGAGAGGAGGGGACGGCGCTCAGGCGAGCCTTCGAAGCTGCAGGACTCCAGCCCTGTGCTGA  
GTGAGCTCAAGTTGAAGGAAAGGAGCTGCAGGATCGAGAGCGAGCACTGAGAGCTCGGGAGGACAGCCT  
GGAGCAGAAAGAAGTGAAGTGTATTCGAGAGAGACTTGGCAGGACAAACTGGCCAGAGCCGAGAGT  
CTGCTGAAGAAGTACAGCCTGCTGAAGGAGCACAGGCTCCTGTGTCTGGCTGGCGGCTCAGAACTTGATC  
TCCCATCTTCAGCACTGAAGAAGAAGGTTCAATTCATGGGGAGAGCAAGAGAAACCCGAAGGAGTGA  
GAATTCGAGAGCCAGCTCGCCAAGTCCAAGTGCAGGGACCTGAAGAAGAGGCTTCATGCTGCCAGCTG  
CGTGCTCAAGCCCTGTCTGATATTGAGAAGAAGTACCAGCTAAAGAGCAGGCAGATCCTGGGCATGCGTT  
AG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_053691
<b>Insert Size:</b>	1332 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_053691.2</a> , <a href="#">NP_446143.1</a>
<b>RefSeq Size:</b>	3122 bp
<b>RefSeq ORF:</b>	1332 bp
<b>Locus ID:</b>	114482
<b>Cytogenetics:</b>	13q27
<b>Gene Summary:</b>	mouse homolog displays cell cycle associated changes in nuclear and cytoplasmic localization; may act to regulate mitosis [RGD, Feb 2006]