

Product datasheet for **RN214766**

Nek1 (NM_001106082) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nek1 (NM_001106082) Rat Untagged Clone
Tag: Tag Free
Symbol: Nek1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214766 representing NM_001106082
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGAAGTATGTTAGACTACAGAAGATTGGAGAAGGTTTCATTGGAAAAGCTGTTCTTGTTAAATCTA
CAGAGGATGGCAGACATTATGTCATCAAGGAAATTAACATCTCAAGAATGCCGATAAAGAAAGAGAAGA
ATCAAGGAGAGAGTTCGAGTGTGGCAACATGAAGCATCCAAATATTGTCCAATACAAAGAATCATT
GAAGAAAATGGCTCTCTACATAGTAATGGATTACTGTGAAGGAGGTGATCTGTTTAAACGAATAAATG
CTCAGAAAAGGCACCTTTGTTTCAAGAAGATCAGATTTTGGACTGGTTTGTTCAGATATGTTTGGCTTTGAA
GCATGTACACGATAGAAAAATTCTCACCGAGACATAAAGTCACAGAACATATTTCTAACAAAGATGGG
ACAGTGCAGCTTGGAGATTTTGAATTGCTCGAGTTCTCAATAGTACTGTAGAGCTGGCTCGAAGTTGCA
TAGGGACTCCATACTACTTGTACCTGAAATCTGTGAAAACAAGCCTTACAACAATAAAGTGACATTTG
GGCTTTGGGCTGTGCTTTATGAGTTGTGTACACTTAAACATGCATTTGAAGCTGGAAACATGAAAAAC
CTGGTACTGAAGATAATATCTGGATCCTTCTCCAGTGTCTCTACATTATTCCTATGATCTCCGCAGCT
TGCTCTCTCAGCTGTTTAAAGAAATCCTAGGGATAGACCATCAGTCAACTCCATATTGGAGAAAGGCTT
TATAGCTAAACGAATCGAAAAGTTTCTCTCACCTCAGCTTATTGCAGAAGAATTTGTCTGAAAACAGTT
TCAAAGTTTGGACCACAGCCTATCCCAGGTAAGACCAGCATCAGGACAAGGTGTCAGTTCCTTTGTCC
CTGCTCAGAAAATCACAAAGCCTTCTGCTAAATATGGAGTGCCTATAACATATAAGAAGTACGGAGATAA
AAAGTTACTTGAAAAAAACCACCCCAAGCATAAAGCAGGCCATCAGATTCCAGTGAAGAAAATGAAT
TCTGGAGAAGAAAGGAAGAAAATGTCTGAGGAAGCAGCAAAAAACGAAGTTGGAATTTATTGAGAAAG
AAAAGAAGCAAAAGGATCAGATCAGGTTCTGAAGGCTGAGCAGCTGAAGAGGCAAGAGAAGCAGCGGT
GGAGAGGATAAATAGGGCCAGGGAACAAGGATGGAGGAATGTTTTAAGGGCTGGTGAAGCGGTGAAGTA
AAGGCTTCCTTTTGGCAGTGGAGGAGCTGTCTCCATCACCTGTTCTCCTCGGGCCAGTATGAAC
ATTACCATGCCATCTTTGACCAAATGCAGCAGCTAAGAGCAGAAGATAATGAAGCGAGATGGAAAAGGGAG
AATATATGGTTCGATGGCTCCCTGAAAGGCAAAAAAGGACACCTAGGTGTAGAGAGAGCCAAACAAGTGGAA
GAATTCCTACAGCGTAAACAAGAAGCTATGCAGAATAAAGCCCGAGCAGAAGGACATGTGGTTTATCTGG
CAAGACTGAGGCAATAAGACTACAAAATTTAATGAGCGCCAACAGATTAAGCCAAACTTCGTGGTGA
GAATAAAGAAGCTGGTGGTACCAAAGGACAAGACGCAACTGAAGAGGCTGACATGAGGCTCAAAAAGATG



GAGTCACTTAAGGCCAAGCAAATGCACGTGCTGCTGCTACTAAAAGAACAGCTAGAGCGAAAAAGAAAGG
 AAGCTTATGAAAGAGAAAAGAAAGTGTGGGAAGAACATTTGGTGGTGAGGGTAAAAAGCTCAGATGTCCC
 TCCATCTATGGAGCATCATGAAGCAGGTGGTTCTCCATCACAGCAGCAGATGAAACCTGTTATTTCTGTG
 ACTTCAGCTTTGAAAGAAGTGGGCTGGATGGAAGTTAACTGAGTCCCAAGAACTTCAGAAGAAATGG
 AAAAGAGTAACAATGCTATTTCAAGTAAGCGAGAAATACTGCGTAGGCTGAATGAAAATCTTAAAGCTCA
 AGAGATGAAAAGGAAAAGCATCATCACGCTGATTCTTGTGAGACCGTTGGTACAGAGATGAGAGAGAG
 TATGAGAAGGAAAATGCCATTTCTCTGATCGCAAGAAATGGGAGATGGGAGGTCAGCTTGTGATTCCTC
 TGGATGAAGTGACACTGGATGCATCCTTCTCTGCTTCTGAAAAACATACTGTGGGAGAGGTTATTAAGTT
 AGATTCTAGTGGCTCTCCAAGAAAAGTCTGGGGAAAAGCCCTACAGATTCTGTGCTGAAGATACTTGGA
 GAAGCTGAATTACAGCTACAGACAGAACTACTAGAAAACACGCCTTTTAAAAGTGAGGTTTGTGTTGAAG
 AGGAGAACTACAAACCCCTACTCACTGGAGAAGAGAATCTGCAGTGTATTTCAAAGAAGTAAACCCATC
 AGCCACTGTTGATACTGAAACAAACAGTCCAAAGTTTGCTAAGGTGTCTCCAGCAATGTCCGAAGGAAAT
 GTGGAAGAACCTGATGATTTGAAACAGAAGTTCTACAAGAGCCAAGTCCATACCCTCAGATGGGAGTT
 TGCCGCTGTTGTTAATGAGGTGTGGACCAGAGCTAAGGCAACTGGGTTGGAGGATAGCATTGCTGTGCA
 GCAGAATGACGTTGTGAAGAGCGAATTCAGGGACTGTGGACCAGTCTGTAAGGATCATATAGAACCT
 GCAGGAAACGATTCTCCGAGTCTGGCTGTGATGAAGAGAAGTCAGTACAGCCAGAAATGTTTTCCAGA
 AAGTGGTTCACCTCAAGGACTTGAACCTAGTTCAGTCAGCTCATCGTTCCCCAGAAGAAGCAATCCAAT
 TCGATCTCACTCTGATTCTCCACAAAAGCTAAAAGCAAGAATCCCTACTGATTGGACTTTCCACTGGT
 CTGTTTGTGCAAAACAACCCAAAGATGCTGAGGACCTGTTCACTTCCAGACCTTTCCAAGCTTTCAGAA
 CCCTAATGGATGTTCCCACTGTGGGAGACGTTTCAAGACAGTCTTGAATAGAGGAGCTTGAGGATGA
 ACATATTAAGAAGGGCCCTCGGATTGCGAGGACATTGTATTTGAAGAACTGACACAGATTTACAGGAG
 CTTCAGGCCTCAATGGAGCAGCTGCTTAGGGAGCAACCCGGTGACGAATACAGTGAGGAGGAAGAGTCTG
 TCTTAAAAGCAGCAATGTGGAGCGGGCAGCAAGAGGGACAGATGTCCAGATGAGGAGGACAACCCGAA
 CAGTGAAAGCGCCCTAAACGAGGAATGGCACTCAGATAACAGTGATGCTGAGACTACTAGTGAGTGTGAA
 TATGACAGTGTCTTTAACCATTTAGAGGAACTAAGACTTCACTTGAACAAAGAAATGGGCTTTGAAAAGT
 TCTTTGAGGTCTATGAGAAAGTAAAGGCTATTCATGAGGATGAAGATGAAAATATTGAAATTTCTTCAAC
 CATAGTCGAGAACATCTTGGCACTGAGCATCAGCACCTTATGCCAAGATTCTGCATCTAGTCATGGCA
 GACGGAGCCTATCAGGAAGATAATGATGAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001106082
- Insert Size:** 3603 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: [NM_001106082.2](#), [NP_001099552.2](#)

RefSeq Size: 4895 bp

RefSeq ORF: 3603 bp

Locus ID: 290705

Cytogenetics: 16p12