

Product datasheet for **MC203539**

Nek8 (NM_080849) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Nek8 (NM_080849) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Nek8 |
| Synonyms: | 4632401F23Rik; b2b1449C; b2b1449Clo; jck |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC070457
 AGAAATGAGATGGAGAAGTACGAGCGGATCCGAGTGGTGGGAAGAGGTGCCTTCGGGATTGTGCACCTGT
 GCCTGCGAAAGGCCGACCAGAAGCTGGTGTATCCTCAAGCAGATCCCAGTGGAACAGATGACCAAAGAAGA
 GAGGCAGGCGGCCAGAACGAGTCCAGGTGCTCAAGTCTCAACCACCCCAACGTCATCGAGTACTAT
 GAGAATTTCTAGAGGACAAGGCCCTCATGATTGCTATGGAGTACGCACCAGGTGGCACCTTGGCCGAGT
 TCATCCAGAAGCGCTGCAACTCTCTGCTAGAGGAGGAGACGATCCTTCACTTCTTTGTGCAGATCCTGCT
 AACACCAGCATGGTGGTCAAGATCGGTGACTTTGGCATCTCTAAGATCCTCAGCAGCAAGAGCAAGGCCCT
 ACACGGTGGTGGGTACACCCTGTACTATCTCCCTGAGCTGTGTGAGGGCAAACCTACAACCAGAAGAG
 TGACATCTGGGCTCTGGGCTGTCTTATATGAGCTGGCCAGCCTCAAGAGGGCCTTCGAGGCTGCAAAAC
 TTGCCAGCCTGGTGTGAAGATCATGAGTGGCACCTTCGCACCCATCTCTGACCGGTACAGCCCTGAGC
 TTCGCCAGCTCGTCTGAGTCTGCTTAGCCTGGAACCTGCACAGAGGCCACCCCTCAGCCACATCATGGC
 GCAGCCCTCTGCATCCGGGCCCTACTCAACATCCACCCGATGTGGCAGCGTGCATGCGGAGGGCA
 GAGAAGTCCCTGACCCAGGACCACCTATAGCCTCTGGCAGCACAGGGAGCAGGGCCACCAGTGCCTGAT
 GTAGGGTGTCCCCGGGGACCTGTGAGACCGGTATCCACCCGCACTGTCTTCGGTCTACGCTTGGGG
 TGGTGGCCTTAGCAGTCCCTGAGGTGGCAATGCTCAACACGGAGGTGGTCCAGGTAGCCGCTGGGCGC
 ACGCAGAAGGCTGGCGTTACGCGCTCTGGACGCCTCATCTGTGGGAGGCCACCCCTGGGAGCTGGAG
 GCGGCACACTCCTTCTGGAGCCGTGGAGCTGCCTCAGCCCCAGTTTGTCTCTCGTTTCTGGAAGGCCA
 GTCAGGTGTGACCATCAAGCATGTGGCCTGCGGGGACCTGTTACCGCTTGCTTGACAGACCGAGGCATT
 ATCATGACGTTTCGGCAGTGGCAGCAATGGGTGTTTAGGTACGGCAACCTGACTGACATCAGCCAGCCCA
 CCATTGTAGAAGCCTTGTGGGCTATGAGATGGTGCAGGTGGCCTGTGGGGCCTCTCATGTGCTGGCCCT
 GTCCACAGATGGAGAGTTATTCGCTGGGCAGAGGAGATGGTGGTAGACTGGGACTAGGCACCAGGGAG
 TCCCAACTGCCCTCAGCAGTGCCTGTGGCCCAAGGACAGAAAGCTCAGAGAGTTGTCTGTGGTATTG
 ACTCTTCCATGATCCTCACCTCTCCAGGCAGGGTCTGGCCTGTGGAAGTAAACAGGTTCAACAAGCTAGG
 CTTGGACCACCTATCCCTGGACGAGGAGCCTGTTCCCTACCAGCAAGTGGAGGAGCCCTGAGCTTCACA
 CCACTGGGCTCTGCACCTCTGGACCAGGAGCCCTGCTGTGTGTGGACCTTGGCACTGCTCATTAGCTG
 CTATCACTGCTTCTGGGGACTGTATACTTTGGCAGCAATCAACATGGACAGCTGGGCACCAGTCCCCG
 CAGGGTACAGAGGCACCCTGTCGGGTCCAAGGCCTGGAGGGCATCAAGATGGTGTGGTGGCCTGCGGG
 GATGCCTCACTGTGGCCGTTGGGGCAGAGGGGAAGTGTATTCTTGGGGCAAAGGAACCCGAGGCCGAC
 TGGGAAGGAGGGATGAGGATGCGGGGCTGCCTAGGCCAGTGCAGCTGGATGAGACTCATCCTTACATGGT
 GACTTCAGTGTCTGCTGCCATGGGAACACTCTGTGGCTGTTTCGATCAGTACAGATGAACAGTTCCC
 CCTGAGGCGACAGGATGATCCAAGAGACCACCTTTGAGTATTCTGAAAAATGCAGGTGCCCGAGGAATG
 ACTGTTGTGACGCTCCTGGATTGTGTGCTCAATGGGGTAGAAAGGCCAGTGAAGTCTACTCTGTTCCCCC
 AAGTCCCTGTCTCAAAGCTCTTTATCTTAGTAAATATCTGCAAGGCTCCAGTCTGGCAGGGGTCAAACAG
 AAGGACGGCCTTCAAACCTTTGCTAAAAAAAAAAACGCACCTTTCTCCAACCACCTCAGCCCAGTTA
 GAAAGTAAAGTCCCTGACGGTGTCTCTTGGAGACTCATGCCATGCTTTGGAATAGGGCAAGCCAGGGCTT
 GTTTGGACTGGTCATTAGGCTAGCCTAATCTCTGCATAGCTTGCAGCTGATAGGTTGGAGGGAGCCCCCT
 TTTCTATCTTACCCTGAGGCAAGGGTTTGCACAACCCCTGCGAAGGCACCCCTCCCCACACACACTCTT
 AGGGAGGGGGTGTGGAGCTATTTTTTTGTTTGTGAGGAGATACTGCTGAAAGGTTGCCCTTTCCCCAG
 GCTATTACCAGACCTAGACTGGGGAGAAAGGTAACCCGACCAATTTCTCAAAGGTTTCAAAGTACTACT
 AATAAAAATATCAAATGCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI
ACCN: NM_080849
Insert Size: 2097 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).

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| 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: | <u>BC070457</u> , <u>AAH70457</u> |
| RefSeq Size: | 2781 bp |
| RefSeq ORF: | 2097 bp |
| Locus ID: | 140859 |
| UniProt ID: | <u>Q91ZR4</u> |
| Cytogenetics: | 11 46.74 cM |
| Gene Summary: | This gene encodes a NIMA-related kinase. Members of this serine/threonine protein kinase family are structurally-related to NIMA (never in mitosis, gene A) which controls mitotic signaling in <i>Aspergillus nidulans</i> . [provided by RefSeq, Jul 2008] |