

Product datasheet for **MC203059**

Nek7 (NM_021605) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nek7 (NM_021605) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nek7
Synonyms:	2810460C19Rik; AU020186
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC037697
 CCACGCGTCCGCGCGGGCCGAGCAGGGTGGGAGCCGGCGCCTGCAGTGGCGCGGGGAGAGGCGATCGGCC
 CCGGATCCCGCAGCCCTGCAGCCCGCGTAGACCGAGCTGCCCGCGGCCCGAATCCTGAAGTCCCAGTT
 GAGTCAGAATGGATGAACAATCACAAAGGAATGCAAGGGCCGCGGTTACTCAGTTCAGCCACAGAAGGC
 ATTACGGCCAGATATGGGCTATAATACTTTAGCCAACCTCCGAATAGAAAAGAAAATGGTCGTGGACAA
 TTTAGTGAAGTTTATAGAGCATCCTGTCTCTTGGATGGAGTCCGGTAGCGTTAAAAAAGTACAGATAT
 TTGATTTAATGGATGCCAAAGCACGTGCTGATTGTATCAAAGAAAATAGACCTCCTTAAGCAACTCAACCA
 TCCAAATGTAATTAATACTATGCATCATTCAATTGAGGATAATGAGCTGAACATAGTTTTGGAGTTAGCA
 GATGCTGGTGACCTCTCCAGAATGATAAAGCACTTTAAGAAAACAAAAGAGGCTAATCCCTGAGAGAACCG
 TTTGAAAATACTTCGTTAGCTCTGCAGTGCACCTGGACCACATGCATTCTCGAAGAGTCATGCACAGAGA
 TATAAAACCAGCTAATGTGTTTATTACAGCCACTGGGGTAGTAAAACCTCGGAGACCTTGGCTTGGTCGG
 TTTTTAGCTCCAAAACCACAGCTGCACATTTTGTAGTGGGTACACCTTACTACATGTCTCCAGAGAGAA
 TACATGAAAATGGATACAACCTCAAGTCTGACATCTGGTCTCTTGGCTGTCTGCTATATGAGATGGCTGC
 ACTGCAGAGTCTTTCTACGGCGACAAGATGAACTTGTATTCTCTGTGTAAGAAGATAGAGCAGTGTGAC
 TACCCGCTCTCCCGTCAGATCACTATTCGGAGGAGCTACGACAGCTAGTTAATATATGCATCAACCCAG
 ATCCAGAGAAGCGACCCGACATCGCCTATGTTTATGATGTGGCAAAGAGGATGCATGCATGTACCGCAAG
 CACCTAAACTGTACAAGATCCTGAAGACGGCAACCAAGATAAAGTAAAGTGTTTTTGTGCAGATCATACT
 CCCCCGCTTATGCTGGGTGTTAAGATTACTGTCTCAGAGCTAATGCGCTTTGAATCCTTAACCCAGTTT
 TCATATGAGCTTCATTTTTCTACCAGGCTCAATCACCTTCCCAATCCACAACCTTTGGGATGCTCAGATGG
 CACCAAGAATGCAAGCCCAACAAGAGTTTTTCTGTTGAGAATTGTTTCGAGTTTCTGCTGATAGACTGTG
 TTTATAGATAGTCAGTCCCGATGGTGAAGCACACACATAGGCACATGCCAGAGCGATGCAGAACCT
 GAGGAAGGACCTGGGCATTTGACTTGTGCTTTAAGTCACTTAATGGACGTTGTAGTGGACATGATTG
 TGAACCTCTGATTTTTTTCTTTAAGTTTCAAGTACATGTTTTAGTTCTTAGCATTAGAGATCTCAAATA
 TCATTTATAAGACATGCAGACATAAACTTTTTGAGAAAAGATTTAAAATTTTTAGTTTTATACATTCAAA
 ATGCAACTATTAATGTGAAAGCATAGAGGTCAAATGTGAGTTGGACACTGAAGTCTATGTTTTAATGC
 CTTTGAAGCCTTTTTTTGTGTGTGTTAAATGGTATAAATGAACCCATTTTAAACGTTGGTAAAGGAC
 TTGTTTGCCTGGCGTGATAGTCATGTTAACATGCACAAGGCTTTGTGTTTTTATTGTACATTTGAAGAA
 TATTCTTGAATAATCTTGCAGTAGTTATAGTTCAATTTCTTTACAAATCTAAATACACTTAACTCATAA
 CTATACACTGTAATGCAAGCATATATTGTTATTTCATATATTGAAGTTTTGATCAGTTCTCTTCAGAAATC
 TTTTTATCCAAGTTACTTTCTTATTTATATTGTGTGTCATTTTCATCCATTAATGTTTCAGATTTTCT
 GAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_021605

Insert Size: 909 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: [BC037697](#), [AAH37697](#)

RefSeq Size: 2059 bp

RefSeq ORF: 909 bp

Locus ID: 59125

UniProt ID: [Q9ES74](#)

Cytogenetics: 1 60.82 cM

Gene Summary: Protein kinase which plays an important role in mitotic cell cycle progression. Required for microtubule nucleation activity of the centrosome, robust mitotic spindle formation and cytokinesis. Phosphorylates RPS6KB1.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).