

Product datasheet for **MC204605**

Nek4 (NM_011849) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nek4 (NM_011849) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nek4
Synonyms:	Stk2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC057939
 GGTGGGCCGGCCTCGAAGCTCCTGCCCGGGTGGGCCGCTTTATGGAGTACTTCACCTCCCGTCTGGC
 ATGAGCGGGGCTCCCGCAGCCTTACGCGCCGCTGCCACAGCTTCCCAGCTGTAGGCCTCCTTCGGGAAC
 ATGCCCCAGGCCGCACTACTGCTACATGCGGGTCTGGGCAGGGGTAGTTACGGGGAGGTGACGCTCGTGA
 AGCATCGCGGAGACGGCAAGCAGTATGTCATCAAAAAGCTGAACCTCCGAAATGCCTCCAGCCGAGAGCG
 TCGAGCTGCTGAGCAGGAAGCTCAGCTCCTATCTCAGTTGAAGCACCCCAACATTGTACCTACAAGAA
 TCATGGGAGGGAGAGAGCGGTCTGCTCTACATTGTCATGGGCTTCTGCGAAGGAGGTGATCTGTACCGGA
 AGCTCAAGGAGCAGAAAAGGGCAGCTTCTGCCTGAGAGTCAGGTGGTGGAGTGGTTTTGCCAGATCGCCAT
 GGCTTGCAGTATTTACATGAGAAAACACATCCTTCATCGAGATCTGAAAACCTCAGAATGTCTTTAAACA
 AGAAACAAACATCATCAAAGTGGGGGACCTAGGAATTGCCCGCTCTTAGAGAATCACGGTGACATGGCGA
 GCACCCTCATTGGCACACCCTATTACATGAGCCCTGAGCTGTTCTCCAACAAACCCTACAATAAAGTC
 GGATGTTTGGGCTTTGGGATGCTGTGTATGAAATGGCCACCCTGAAGCACGCTTTTAAATGCAAAAAGAC
 ATGAATCTTTAGTTTATCGGATTATTGAAGGAAAGTTGCCGCAATGCCAAAAGTTTACAGCACAGAGC
 TGGCTGAGCTGATAAGAACAATGCTGAGCAGAAGGCTGAGGAGAGGCCCTCTGTGCGGAGCATCCTGAG
 GCAGCCCTACATAAAACACCACATCTCCTTGTCTTGGAGGCCACCAAGGCAAAAACCTTCAAAAATAAT
 GTTAAAAACTGTGACTCCAGAGCCAAGCCTGTTGCTGCTGATGTTCCAGAAAGGAAGAATCAAATACTG
 ACGTGATACACTACCAGCCACGCTCTTCTGAGGGCTCTGCTTTCATGTATGGGTGAAGATAAATGTTT
 GTCCCAAGAGAAAACAGTGGACATTGGTCCCTTGAGATCACCGGCTAGTCTTGAAGGCCACACTGGCAAA
 CAAGACATGAACAATACTGGGGAGTCAATGTGCCACAATCAGTAGGATAAAATATCGATATCTTACCTGCAG
 AAAGGAGGGACTCAGCGAACGCTGGTGTAGTTCAGGAGAGCCAACCACAACAGTGGATGCCGCTGATGA
 AGTAGACAGTCAGTGCAGTATTTCTCAAGAGAAGGAGAGGCTACAGGGCAATACCAAGTCCAGTATCAG
 CCTGGAAATCTCCTTCCAGACGGTCTCTGATGGTGGTATGGGGAAGGGAGTGAACCTGGTGAAGCCAT
 TGTATCCCTCAAATAAAGACAAAAGCCAGACCAGGATCAAGTTACTGGTATTATAGAAAATCAGGACAG
 CATCCACCAAGATCCCAGCCACACAGCTCTATGTCTGAACCTTTTGTCCCGGCAAGGCAAGGAGAAA
 AAAAGGGAAACAGACTGCCCATAGTCGTACAAGAGCCAGTTCCAAGAATTACCCCTCGGCTTTTGCCTT
 CTTATCTGTTATTGGGAAAGTGGATATCATAGCAACACAGCAAAATGATGGAAACCAAGGTGGACCTGT
 GGCTGGGTGTGTAACAGTTCAAGGACCAGCTCAACAGCATCAGCAAAAGGATCGACCATTATCAGCCAGA
 GAGAGGAGACGGCTAAAGCAGTCACAGGAGGAGATGCTGCCCTCAGGCCCTGCAGTTCAGAGAATCCAA
 GTGCAGTTGAGCCACTGAAACCACAGGAAGAAGACCAACCCATCCCTGCCAACGATTCTCTTCTGACTG
 CAGCATCACTCAGATGAATCACACTCCCGAGGGAAAAGGAGAAGAGGCTGATGCATGGCCTGTCTGAG
 GATGAGTTAAGCTCTTCTACAAGCTCAACTGATAAGTCAGATGGGGATTCCAGGGAGGGGAAGAGTCATA
 CAAATGAAATGAAAGACTTGGTACAGCTGATGACTCAGACTCTGAGGCTGGAAGCTAAGGAGAGCTGTGA
 AGATCTCCAGGTCTAAACCCAGGGTCAGAATTCAGACTTCATCGAAAAGTATCGAGACACGCTGGTGCTT
 CATGGCAAGGTTGCAGAAGAGGTGGAACCCACTGTACGGAGCTGCCTACGGGTATCATACCAGGTTCTG
 AAAAGATCAGGAGAATCGTTGAAGTCTTAAGAGCTGATGTAATCCAGGGCCTGGGGATTCAACTCTTAGA
 GCAGGTGTTTGTCTTTTGGGAGAGGAAGATGAGTTGGAGAGAGAGGCACGATTACAGGAGCACATGGGA
 GACAAGTATACACTTACTGTGTAAAGCTCGCCAATTGAAATTTTTTGAAGAAAATGTGAGTTTTTGTAG
 ATTTGTTCTAACATGCTGCCAGAACTAAAGATCTATTTTCAAAAAGTTTTTTCATCTAAAAAAAACACCAC
 CACCACCATCACAACCTGTTCCAGTCATTGAGAGGCTGGTACCAGCCATCCTTTGCTTGTATATCTCCT
 TGGAGTCTCTTACTATAAAGAAGTGGAGAGCAGACTAATGCGAAAACAAGTTCACAAAAGAAAAAAAAC
 TTTGAATATCATATGTTTATGAGGAAAAATGTTAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_011849
Insert Size: 2379 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:	<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>BC057939</u> , <u>AAH57939</u>
RefSeq Size:	2778 bp
RefSeq ORF:	2379 bp
Locus ID:	23955
UniProt ID:	<u>Q9Z1J2</u>
Cytogenetics:	14 B
Gene Summary:	Required for normal entry into proliferative arrest after a limited number of cell divisions, also called replicative senescence. Required for normal cell cycle arrest in response to double-stranded DNA damage (By similarity). Protein kinase that seems to act exclusively upon threonine residues.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).