

Product datasheet for **SC115003**

NEK6 (NM_014397) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NEK6 (NM_014397) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEK6
Synonyms:	SID6-1512
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_014397 edited
 ATGGCAGGACAGCCCGGCCACATGCCCCATGGAGGGAGTTCCAACAACCTCTGCCACACC
 CTGGGGCCTGTGCATCCTCCTGACCCACAGAGGCATCCCAACACGCTGTCTTTTCGCTGC
 TCGCTGGCGGACTTCCAGATCGAAAAGAAGATAGGCCGAGGACAGTTCAGCGAGGTGTAC
 AAGGCCACCTGCCTGCTGGACAGGAAGACAGTGGCTCTGAAGAAGGTGCAGATCTTTGAG
 ATGATGGACGCCAAGGCGAGGCAGGACTGTGTCAAGGAGATCGGCCTCTTGAAGCAACTG
 AACCAACCAAAATATCATCAAGTATTTGGACTCGTTTATCGAAGACAACGAGCTGAACATT
 GTGCTGGAGTTGGCTGACGCAGGGGACCTCTCGCAGATGATCAAGTACTTTAAGAAGCAG
 AAGCGGCTCATCCCGGAGAGGACAGTATGGAAGTACTTTGTGCAGCTGTGCAGCGCCGTG
 GAGCACATGCATTACGCCGGGTGATGCACCGAGACATCAAGCCTGCCAACGTGTTTCATC
 ACAGCCACGGGCGTCGTGAAGCTCGGTGACCTTGGTCTGGGCCGCTTCTTCAGCTCTGAG
 ACCACCGCAGCCCACTCCCTAGTGGGGACGCCCTACTACATGTCACCGGAGAGGATCCAT
 GAGAACGGCTACAACCTCAAGTCCGACATCTGGTCCCTTGGGCTGTCTGCTGTACGAGATG
 GCAGCCCTCCAGAGCCCCTTCTATGGAGATAAGATGAATCTCTTCTCCCTGTGCCAGAAG
 ATCGAGCAGTGTGACTACCCCCACTCCCCGGGGAGCACTACTCCGAGAAGTTACGAGAA
 CTGGTCAGCATGTGCATCTGCCCTGACCCCAACAGAGACCTGACATCGGATACGTGCAC
 CAGGTGGCCAAGCAGATGCACATCTGGATGTCCAGCACCTGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014397 unedited ATTGTA AACCACTACTATAGCGGCCGGAATTCGGCACGAGGCGCAAACCTCGTGTGGGA CGCACCGCTCCAGCCGCCCGGGCCAGCGCACCGGTCCCCAGCGGCAGCCGAGCCCGC CCGCGCCCGTTCGTGCCCTCGTGAGGCTGGCATGCAGGATGGCAGGACAGCCCGGCCAC ATGCCCATGGAGGGAGTTCCAACAACCTCTGCCACACCCTGGGGCCTGTGCATCCTCT GACCCACAGAGGCATCCCAACACGCTGTCTTTTCGCTGCTCGCTGGCGGACTTCCAGATC GAAAAGAAGATAGGCCGAGGACAGTTTCAGCGAGGTGTACAAGGCCACCTGCCTGTGGAC AGGAAGACAGTGGCTCTGAAGAAGGTGCAGATCTTTGAGATGATGGACGCCAAGGCGAGG CAGGACTGTGTCAAGGAGATCGGCCTCTTGAAGCAACTGAACCACCCAAATATCATCAAG TATTTGGACTCGTTTATCGAAGACAACGAGCTGAACATTGTGCTGGAGTTGGCTGACGCA GGGGACCTCTCGCAGATGATCAAGTACTTTAAGAAGCAGAAGCGGCTCATCCCGGAGAGG ACAGTATGGAAGTACTTTGTGCAGCTGTGCAGCGCCGTGGAGCACATGCATTCACGCCGG GTGATGCACCGAGACATCAAGCCTGCCAACGTGTTTCATCACAGCCACGGNCGTCGTGAAG CTCGGTGACCTTGGTCTGGGCCCTTCTCAGCTCTGAGACCACCGCAGCCCACTCCCTA GTGGGNGACGCCCTACTACATGTACCCGNAAGGATCCATGAGAACNNNGCTACACTTC AAGTCCGACATCTGGTCCTTGGGCTGTCTGCTGTACAAGATGCANCCCTNCAAAGCCCT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014397 unedited CGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAATCTTCATGAATTCTAAGTA ACTCCCAGTCACCCTGTTTTATTTCAACCATGGAGAAAAGTACAGAGGAAAGGCTGCATA TGGAGAGACTGTCGGGCTGACGGTGTACAGCAGATCCGAGTCCACGTGTGGAACAGCA GCCGCCCGCCCTGGGTGTTTCCCTCCAGGAAAGGCCTGGTCAGTGAATGCCTGCAGGCAG CAGGTGTCAGGAATCACCTGCCGATGCCAGCGTGTCTTGTCTGGAGGGCCAGACTGT CATGAAGTCAGTGACGACAGCTCAGACAATTGGAAGGTTAACTTTACGTACAAAAACAAA ATTCAAATGATTTCTTCAGAGGTGGAGTTTTCTTAGGTTACATTTATAAATTAGTCTT CACAGTTAATCCTGTTTGGGAACAAGAAATAAGGAACACATTTCTGGTTTCTACACATG ATACAGGTGTACATTAATTCTCGACTTCCGTGGTCCATGGACTTCAGTTTGTGAAGGGTG AGTGGCTACCATTTTTGGATCATCTACTTTTTGTATTAGCTAACTTGCATATTTTATTTT AAATCTGTCTGTGCAGCATTCTGAAGGTAGATGATAGTACTATTAATCTCATTGTACA GATGACGAAATGAAAGCTCANAACGGCTAAAAAACTTGCCCAAGCCCCAAGTCACGCTAA GAAGTTGCAGAACAGAAATTTGTAAGGAACAGCCTTCGCTTTTTCATATNCCAATGCTTC TTCCATGGAGGAAATGCTTACCCTGATCTGAATGAACCGCCGCTTCAGGAGGGACCAATT TCTGTACCAACAGGGTTCAGAAATATGCCACCCTGCTGCCAGAGAGCTCTGCTCCAGCC TTTGCTGGACCTTGCCAGGCGGCTCTATTGCCCTCACAGTTTAAACGGGAAAATGGTCCC AACCCCCCGGAA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_014397
Insert Size:	2500 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:	NM_014397.3 , NP_055212.2
RefSeq Size:	2596 bp
RefSeq ORF:	942 bp
Locus ID:	10783
UniProt ID:	Q9HC98
Cytogenetics:	9q33.3
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>The protein encoded by this gene is a kinase required for progression through the metaphase portion of mitosis. Inhibition of the encoded protein can lead to apoptosis. This protein also can enhance tumorigenesis by suppressing tumor cell senescence. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Variants 2, 5 and 6 encode the same isoform (2).</p>