

Product datasheet for **SC325800**

NEK6 (NM_001145001) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NEK6 (NM_001145001) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEK6
Synonyms:	SID6-1512
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325800 representing NM_001145001. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGCCAGGAGAGAAGTTTGCTGGGAGGCAGCTCATTTCCGGCAGGAGGAGCAGAGCCTGCCAAGGCCT
 CGAGTTCGTGCCCTCGTAGGCTGGCATGCAGGATGGCAGGACAGCCCGGCCACATGCCCATGGAGGG
 AGTTCCAACAACCTCTGCCACACCCTGGGGCTGTGCATCCTCTGACCCACAGAGGCATCCCAACAG
 CTGTCTTTTCGTGCTCGCTGGCGGACTTCCAGATCGAAAAGAAGATAGGCCGAGGACAGTTCAGCGAG
 GTGTACAAGGCCACCTGCCTGCTGGACAGGAAGACAGTGGCTCTGAAGAAGGTGCAGATCTTTGAGATG
 ATGGACGCCAAGGCGAGGCAGGACTGTGTCAAGGAGATCGGCCTCTTGAAGCAACTGAACACCCAAAT
 ATCATCAAGTATTTGGACTCGTTTATCGAAGACAACGAGCTGAACATTGTGCTGGAGTTGGCTGACGCA
 GGGGACCTCTCGCAGATGATCAAGTACTTTAAGAAGCAGAAGCGGCTCATCCCGGAGAGGACAGTATGG
 AAGTACTTTGTGAGCTGTGCAGCGCCGTGGAGCACATGCATTACGCCGGGTGATGCACCGAGACATC
 AAGCCTGCCAACGTGTTTCATCACAGCCACGGGCGTCGTGAAGCTCGGTGACCTTGGTCTGGGCCGCTTC
 TTCAGCTCTGAGACCACCGCAGCCCACTCCCTAGTGGGACGCCCTACTACATGTACCGGAGAGGATC
 CATGAGAACGGCTACAACCTCAAGTCCGACATCTGGTCCCTGGGCTGTCTGCTGTACGAGATGGCAGCC
 CTCCAGAGCCCCCTTCTATGGAGATAAGATGAATCTCTTCTCCCTGTGCCAGAAGATCGAGCAGTGTGAC
 TACCCCCCACTCCCCGGGAGCACTACTCCGAGAAGTTACGAGAAGTGGTCAGCATGTGCATCTGCCCT
 GACCCCCACAGAGACCTGACATCGGATACGTGCACCAGGTGGCCAAGCAGATGCACATCTGGATGTCC
 AGCACCTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001145001


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Insert Size:	1044 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001145001.2
RefSeq Size:	2810 bp
RefSeq ORF:	1044 bp
Locus ID:	10783
UniProt ID:	Q9HC98
Cytogenetics:	9q33.3
Protein Families:	Druggable Genome, Protein Kinase
MW:	39.8 kDa

Gene Summary:

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Variants 1 and 7 encode the same isoform (1).