

Product datasheet for **SC326899**

NEK6 (NM_001166167) Human Untagged Clone

Product data:

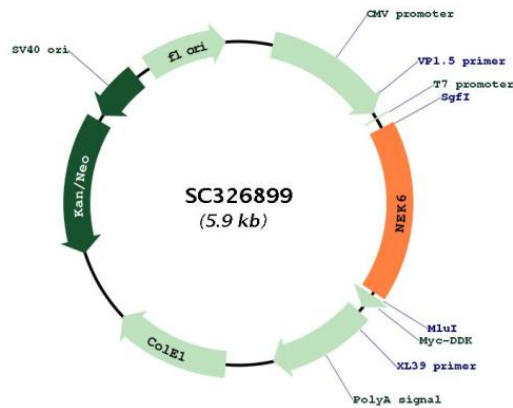
Product Type:	Expression Plasmids
Product Name:	NEK6 (NM_001166167) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEK6
Synonyms:	SID6-1512
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326899 representing NM_001166167. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGGGGAGACGCCGGCCTGCGCCCTTCGTGCCCTCGTGAGGCTGGCATGCAGGATGGCAGGACAGCCC
GGCCACATGCCCATGGAGGGAGTTCCAACAACCTCTGCCACACCCTGGGCCTGTGCATCCTCCTGAC
CCACAGAGGCATCCCAACACGCTGTCTTTTCGCTGCTCGCTGGCGGACTCCAGATCGAAAAGAAGATA
GGCCGAGGACAGTTCAGCGAGGTGTACAAGGCCACCTGCCTGCTGGACAGGAAGACAGTGGCTCTGAAG
AAGGTGCAGATCTTTGAGATGATGGACGCCAAGGCGAGGCAGGACTGTGTCAAGGAGATCGGCCTCTTG
AAGCAACTGAACCACCCAAATATCATCAAGTATTTGGACTCGTTTATCGAAGACAACGAGCTGAACATT
GTGCTGGAGTTGGCTGACGCAGGGGACCTCTCGCAGATGATCAAGTACTTTAAGAAGCAGAAGCGGCTC
ATCCCGGAGAGGACAGTATGGAAGTACTTTGTGCAGCTGTGCAGCGCCGTGGAGCACATGCATTCACGC
CGGGTGTGCACCGAGACATCAAGCCTGCCAACGTGTTTCATCACAGCCACGGGCGTCTGTAAGCTCGGT
GACCTTGGTCTGGGCCGCTTCTTCAGCTCTGAGACCACCGCAGCCCACTCCCTAGTGGGGACGCCCTAC
TACATGTCACCGGAGAGGATCCATGAGAACGGCTACAACCTCAAGTCCGACATCTGGTCCCTGGGCTGT
CTGCTGTACGAGATGGCAGCCCTCCAGAGCCCTTCTATGGAGATAAGATGAATCTTCTCCCTGTGC
CAGAAGATCGAGCAGTGTGACTACCCCCACTCCCCGGGAGCACTACTCCGAGAAGTTACGAGAAGTGC
GTCAGCATGTGCATCTGCCCTGACCCCAACAGAGACCTGACATCGGATACGTGCACAGGTGCCAAG
CAGATGCACATCTGGATGTCCAGCACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001166167

Insert Size: 996 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).

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:

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_001166167.1](#)

RefSeq Size: 2592 bp

RefSeq ORF: 996 bp

Locus ID: 10783

UniProt ID: [Q9HC98](#)

Cytogenetics: 9q33.3

Protein Families: Druggable Genome, Protein Kinase

MW: 37.8 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 (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.