

## Product datasheet for SC325800

### NEK6 (NM\_001145001) Human Untagged Clone

#### Product data:

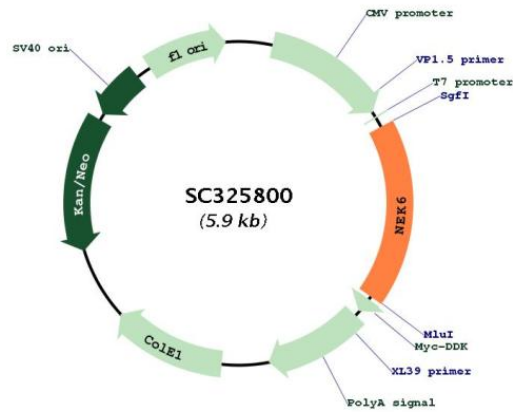
Product Type:	Expression Plasmids
Product Name:	NEK6 (NM_001145001) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEK6
Synonyms:	SID6-1512
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325800 representing NM_001145001. Blue=Insert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

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAGGAGAGAAGTTTGCTGGGAGGCAGCTCATTTCCGGCAGGAGGAGCAGAGCCTGCCAAGGCCT
CGAGTTCGTGCCCTCGTGAGGCTGGCATGCAGGATGGCAGGACAGCCGGCCACATGCCCATGGAGGG
AGTTCCAACAACCTCTGCCACACCCTGGGGCTGTGCATCCTCTGACCCACAGAGGCATCCCAACAG
CTGTCTTTTCGCTGCTCGCTGGCGGACTCCAGATCGAAAAGAAGATAGGCCGAGGACAGTTCAGCGAG
GTGTACAAGGCCACCTGCCTGCTGGACAGGAAGACAGTGGCTCTGAAGAAGGTGCAGATCTTTGAGATG
ATGGACGCCAAGGCGAGGAGGACTGTGTCAAGGAGATCGGCCTCTGAAGCAACTGAACCACCCAAT
ATCATCAAGTATTTGACTCGTTTATCGAAGACAACGAGCTGAACATTGTGCTGGAGTTGGCTGACGCA
GGGACCTCTCGCAGATGATCAAGTACTTTAAGAAGCAGAAGCGGCTCATCCCGGAGAGGACAGTATGG
AAGTACTTTGTGACGCTGTGCAGCGCCGTGGAGCAGATGCATTACGCGGGGTGATGCACCAGAGATC
AAGCCTGCCAACGTGTTTCATCACAGCCACGGGCGTCGTGAAGCTCGGTGACCTTGGTCTGGGCCGCTTC
TTCAGCTCTGAGACCACCGCAGCCCACTCCCTAGTGGGGACGCCCTACTACATGTCACCGGAGAGGATC
CATGAGAACGGCTACAACCTCAAGTCCGACATCTGGTCCCTGGGCTGTCTGCTGTACGAGATGGCAGCC
CTCCAGAGCCCCCTTATGGAGATAAGATGAATCTTTCTCCCTGTGCCAGAAGATCGAGCAGTGTGAC
TACCCCCACTCCCCGGGAGCACTACTCCGAGAAGTTACGAGAAGTGGTCAGCATGTGCATCTGCCCT
GACCCCAACAGAGACCTGACATCGGATACGTGCACCAGGTGGCCAAGCAGATGCACATCTGGATGTCC
AGCACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001145001

**Insert Size:** 1044 bp

**OTI Disclaimer:** 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](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_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).