

## Product datasheet for SC327454

### NEK6 (NM\_001166170) Human Untagged Clone

#### Product data:

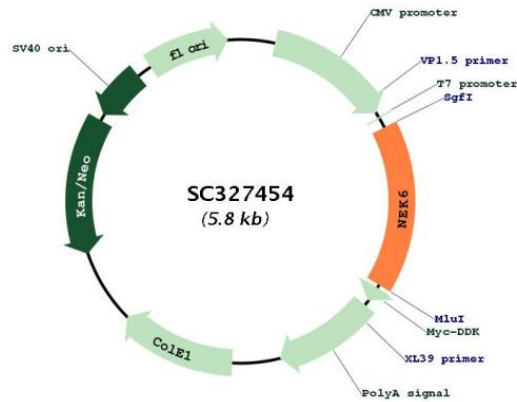
Product Type:	Expression Plasmids
Product Name:	NEK6 (NM_001166170) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEK6
Synonyms:	SID6-1512
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327454 representing NM_001166170. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCAGGACAGCCCGGCCACATGCCCATGGAGGGAGTCCAACAACCTCTGCCACACCCTGGGCCT
GTGCATCCTCCTGACCCACAGAGGCATCCAACACGCTGTCTTTTCGCTGCTCGCTGGCGGACTTCCAG
ATCGAAAAGAAGATAGGCCGAGGACAGTTCAGCGAGGTGTACAAGGCCACCTGCCTGCTGGACAGGAAG
ACAGTGGCTCTGAAGAAGGTGCAGATCTTTGAGATGATGGACGCCAAGGCGAGGCAGGACTGTGTCAAG
GAGATCGGCCTCTGAAGCAACTGAACCACCAAAATATCATCAAGTATTTGGACTCGTTTATCGAAGAC
AACGAGCTGAACATTGTGCTGGAGTTGGCTGACGCAGGGGACCTCTCGCAGATGATCAAGTACTTTAAG
AAGCAGAAGCGGCTCATCCCGGAGAGGACAGTATGGAAGTACTTTGTGCAGCTGTGCAGCGCCGTGGAG
CACATGCATTACGCCGGGTGATGCACCGAGACATCAAGCCTGCCAACGTGTTTCACAGCCACCGGC
GTGCTGAAGCTCGGTGACCTTGGTCTGGGCCGCTTCTTCAGCTCTGAGACCACCGCAGCCCACTCCCTA
GTGGGGACGCCCTACTACATGTCACCGGAGAGGATCCATGAGAACGGCTACAACCTCAAGTCCGACATC
TGGTCCCTGGGCTGTCTGCTGTACGAGATGGCAGCCCTCCAGAGCCCTTCTATGGAGATAAGATGAAT
CTTTCTCCCTGTGCCAGAAGATCGAGCAGTGTGACTACCCCCACTCCCGGGGAGCACTACTCCGAG
AAGTTACGAGAAGTGGTACGATGTGCATCTGCCCTGACCCCAACAGAGACCTGACATCGGATACGTC
CACAGGTGGCCAAGCAGATGCACATCTGGATGTCCAGCACCTGA
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001166170

**Insert Size:** 942 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\\_001166170.1](#)

**RefSeq Size:** 2594 bp

**RefSeq ORF:** 942 bp

<b>Locus ID:</b>	10783
<b>UniProt ID:</b>	<a href="#">Q9HC98</a>
<b>Cytogenetics:</b>	9q33.3
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>MW:</b>	35.7 kDa
<b>Gene Summary:</b>	<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 (6) 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>