

## Product datasheet for **SC213369**

### NEK1 (NM\_012224) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	NEK1 (NM_012224) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	NEK1
Synonyms:	ALS24; NY-REN-55; SRPS2; SRPS2A; SRTD6
ACCN:	NM_012224
Insert Size:	1731 bp



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**Insert Sequence:** >SC213369 3'UTR clone of NM\_012224  
The sequence shown below is from the reference sequence of NM\_012224. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGAGCCTACCAAGAAGATAATGATGAATATCCTCAAAATGTTTTTAATCCTCAACTATATGAAAGCA
TTTGAATTTGGCTTATCAGAATAACAAGCTTCAGTGGGAAATACAGCAATTATTTATTTAAAAAATCAG
ATTTAAGATGGACTTTCTTATTGCATGAAAAAGATGGAGAAACATGCCATTTTTCAGTGAAGATTCTAA
TATTTTATCTATTTTGTTCATTGAATCCATGGTTAAATCTCATAAAAATATATACTTTATTTAAATCATC
CAACCAAAGCATAGGAAACATTGACCCAGAACCTGACTTAATGGTTTTGAAGATTACTATGCAATAGG
GTAACCTTGTAGTTTCAGCAAATGTCTTTAGGTTGAAGGAATTACCTATGTCATGAAGGACCTGTCTGTG
GTTTTTCAATGGAGTCTTTAAGCATGATCTTTTTCTGTCTAGTACTTGTTCATTCTGGCCAGCAGT
TCTACATTAATCACCTGTCAAGGGCTCTGTTACATCTATACATTTTGAAGATGAAATTTTAGCCT
TAAAGTTTATATTCTCAAGTCCTTTTACAATCAGTGTGTCTCCTGAACTAGCACACAGGCTGTAGAAC
AGTCTTAGAAATCATTGAAAGATTTGATTATGAAAGAATAGCAAAATTATATTTCTTGACATATAAAAA
GTTGGTTAATGCCTTTATTTCTCTTTAAGGACCAGAACCAGGAATACTATATCGAAAAATTAGTCTGT
GGATTTAACACTGACTTAGCATATAGCTTAAAGTTGCTCTTTTGGTTTTTAACTTCTCCATACATAAG
CTTCAAGGACAATAAGATGTTAAAAAGGAGGAAATAATTATTTTTATTTGACACTGTGACAGTTTTGG
TAACTAGGATCCTAGGGAGGAAATGTTGCCTGTTGAACTTCTTTCTGTTATGAGAGGATTTAGTTAG
GTCATTAAGATGTTGATCACACAGCTTCAATCACAATATGCCAAGTATAACCTGGTTTTCGTTAGAGGTG
TCTACAGTCCAGATGTTCTTCGTAATAAAAAGCAAAGTTTTTGAACCTCTGAGTCCAAAGCAGGCTGGTT
GGCATAATATGTAATTTGAAAAATAAAATCTTATCTTGCAGCACTATCAGTATGTTGAATTTATTATGT
ATATTATTTCTAATATCCGAAACTAAATACTTGATTTTTTAATATGTGTGTTATTTTATGATATTGCT
ATTAATTTTTTATTATCTACCTGAAGTATATCAATTGTCTTTTATTTATTTACTTTTCTCAATAG
AAGGCTTTTACATCAAGCTGATAATACTTTTGTGGTTTTGTACCTGATGATTTCTTTCTCATAATGG
AAGAAAATGAATTCATATTTTAACTTTTACAATCCTGAAAGATGGGCATGATTTTGGGGAGGTTGTG
TATTAATTTCTTAACTATTACAATAATTAGAAAAGGATAATATGGTAGAAAAAATTGTTTTAGCCA
TATTTCAAAGATGTTATATATGTGCAGGAATAAGGATGATCAATAAGATTTGTGCCATCTCCAGTCGA
TTAGCAGTGTGTGACTCTGGAGTGTGTTATGGAAAGATTATGCCAGTGAGGAAAAGGCTATTTTCA
GTAAGGTCTATTATAAGTGTGGAATTGACATGTGGAAGCATCTGTAGATTAATAAATGTTAGCATTAA
ATGGGC
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_012224.4](#)

**Summary:** The protein encoded by this gene is a serine/threonine kinase involved in cell cycle regulation. The encoded protein is found in a centrosomal complex with FEZ1, a neuronal protein that plays a role in axonal development. Defects in this gene are a cause of polycystic kidney disease (PKD). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2010]

**Locus ID:** 4750

**MW:** 67.4