

Product datasheet for **SC331515**

NEK2 (NM_001204182) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NEK2 (NM_001204182) Human Untagged Clone
Tag: Tag Free
Symbol: NEK2
Synonyms: HsPK21; NEK2A; NLK1; PPP1R111; RP67
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331515 representing NM_001204182.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCCTTCCCGGGCTGAGGACTATGAAGTGTTGTACACCATTGGCACAGGCTCCTACGGCCGCTGCCAG
AAGATCCGGAGGAAGAGTGATGGCAAGATATTAGTTTGGAAAGAAGCTTGACTATGGCTCCATGACAGAA
GCTGAGAAACAGATGCTTGTCTGAAGTGAATTTGCTTCGTGAACTGAAACATCCAAACATCGTTCGT
TACTATGATCGGATTATTGACCGGACCAATACAACACTGTACATTGTAATGGAATATTGTGAAGGAGGG
GATCTGGCTAGTGAATTACAAAGGGAACCAAGGAAAGGCAATACTTAGATGAAGAGTTTGTCTTCGA
GTGATGACTCAGTTGACTCTGGCCCTGAAGGAATGCCACAGACGAAGTGATGGTGGTCATACCGTATTG
CATCGGGATCTGAAACCAGCCAATGTTTTCTGGATGGCAAGCAAAACGTC AAGCTTGGAGACTTTGGG
CTAGCTAGAATATTAACCATGACACGAGTTTTGCAAAAACATTTGTTGGCACACCTTATTACATGTCT
CCTGAACAAATGAATCGCATGTCCTACAATGAGAAATCAGATATCTGGTCATTGGGCTGCTGTGTAT
GAGTTATGTGCATTAATGCCTCCATTTACAGCTTTTAGCCAGAAAGAAGCTCGCTGGGAAAATCAGAGAA
GGCAAATTCAGGCGAATTCATACCGTTACTCTGATGAATTGAATGAAATATTACGAGGATGTTAAAC
TTAAAGGATTACCATCGACCTTCTGTTGAAGAAATTTGAGAACCCTTTAATAGCAGATTTGGTTGCA
GACGAGCAAAGAAGAAATCTTGAGAGAAGAGGGCGACAATTAGGAGAGCCAGAAAAATCGCAGGATTCC
AGCCCTGTATTGAGTGAGCTGAAACTGAAGGAAATTCAGTTACAGGAGCGAGAGCGAGCTCTCAAAGCA
AGAGAAGAAAGATTGGAGCAGAAAGAACAGGAGCTTTGTGTTTCGTGAGAGACTAGCAGAGGACAAACTG
GCTAGAGCAGAAAAATCTGTTGAAGAACTACAGCTTGCTAAAGGAACGGAAGTTCTGTCTCTGGCAAGT
AATCCAGAGTCTCACTTTGTTGCCAGGCTGGAATGCAGTGGTGTGATCAGCTCAATGTAG
```

Restriction Sites: Sgfl-MluI
ACCN: NM_001204182
Insert Size: 1167 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).



[View online »](#)

| | |
|-------------------------------|---|
| 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: | <u>NM_001204182.1</u> |
| RefSeq Size: | 1750 bp |
| RefSeq ORF: | 1167 bp |
| Locus ID: | 4751 |
| UniProt ID: | <u>P51955</u> |
| Cytogenetics: | 1q32.3 |
| Protein Families: | Druggable Genome, Protein Kinase |
| MW: | 45.2 kDa |
| Gene Summary: | <p>This gene encodes a serine/threonine-protein kinase that is involved in mitotic regulation. This protein is localized to the centrosome, and undetectable during G1 phase, but accumulates progressively throughout the S phase, reaching maximal levels in late G2 phase. Alternatively spliced transcript variants encoding different isoforms with distinct C-termini have been noted for this gene. [provided by RefSeq, Feb 2011]</p> <p>Transcript Variant: This variant (3) contains an alternate 3' terminal exon compared to variant 1. This results in a frame-shift and a shorter isoform (3) with a distinct C-terminus compared to isoform 1.</p> |