

## Product datasheet for **SC326195**

### NEK10 (NM\_199347) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NEK10 (NM_199347) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEK10
Synonyms:	CILD44
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_199347, the custom clone sequence may differ by one or more nucleotides

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ATGCCTGATCAAGATAAAAAGGTGAAGACCACAGAAAAATCAACTGATAAACAGCAAGAA
ATCACCATCAGGGACTATTAGATCTTAAAAGACTTCGGTGCCTTTTGAACGTCCAATCA
AGCAAACAACAGCTTCCAGCCATTAAGTTCGATAGTGCACAAAATAGCATGACGAAGTCT
GAGCCCCCATCAGGGCGGGTGGACACAGAGCTCGGGTCACTGGCATGAATCCACAGAA
GCTGTTGAACTTAAAAATTTAGTATAAACTACAAGAATGAGAGAAATTTAGCAAAACAT
CCTCAGCGTAAACTATTTAGGAGATCTTTACCGCCTTGGTAAAAATAGACTCATAAGC
AGAGAGTGGGTTAATCGAGCCCCATCTATTCTTTCTGAGAGTGTAACTGTCTGAGG
CTACTAATGAGGGATCCATGTTATCAGGAAATACTCCATAGCTTGGGTGGGATTGAAAAC
CTAGCTCAGTATATGGAGATTGTAGCCAATGAGTACCTCGGCTATGGAGAAGAGCAGCAC
ACTGTGGACAAGCTGGTCAACATGACATATATTTTTCAAAAAGTGTGTCAGTCAAAGAT
CAAAGAGAATGGGTCAACCAAGTGGAGCCACAAGACATTAGTAAATTTACTTGGTGGC
CGAGATACTAATGTTCTATTGGGTTCCCTTCTGGCTCTGGCTAGTTTAGCAGAAAGTCAA
GAATGTAGGGAGAAGATAAGTGAAGTCAACATTGTAGAAAATCTGTTGATGATTTTACAT
GAATATGACTTGGCTTTCTAAAAGACTAACAGCGGAGTTGCTGCGCTACTTTGTGAGAG
CCCCAGGTGAAAGAGCAGGTGAAGCTCTATGAGGGGATACCGGTCCTCTCAGTCTGCTC
CACTCTGACCACTTGAAGCTCCTCTGGAGCATTGTCTGGATTCTGGTACAGGTTTGTGAG
GACCCTGAGACCAGCGTGGAAATTCGCATTTGGGGAGGCATCAAACAGCTTCTTCATATT
TTACAAGGAGACAGAAATTTGTTTCTGATCACTCCTCCATTGGAAGCCTGTCCAGTGCA
AATGCTGCAGGCCGAATCCAGCAGCTTCATTTATCAGAAGACTTGGCCCTAGGGAAATA
CAAGAAAATACTTTCTCACTTCAAGCAGCCTGCTGTGCTGCCCTCACTGAGCTGGTGCTC
AATGACACCAATGCCACCAGGTGGTTCAGGAAAATGGTGTATATACAATAGCAAAATTA
ATTTTACCAAATAAGCAAAAGAATGCAGCAAAAAGTAATCTATTACAGTGTATGCTTTTC
AGAGCCTTGAGATTTCTCTTTCAGTATGGAAGAAACAGACCACTTTTAAAAGACTTTTC
CCACAGACTTGTGAGATCTTCATTGACATAGGGCATTATGTACGTGATATCAGTGCT
TATGAAGAATTGGTATCCAAGCTGAATTTATTAGTGGAGGATGAACTGAAGCAAATTGCT
GAAAATATTGAAAGCATTAAATCAGAACAAGCTCCTTTGAAATATATAGGCAACTATGCA
ATTTTGGATCATCTTGAAGTGGAGCTTTTGGCTGTGTTTACAAGTTAGAAAGCATAGT
GGTCAAAATCTTTAGCAATGAAAGAGGTCAATTTACATAACCCAGCATTGGAAAGGAT
AAGAAAGATCGAGACAGCAGCGTAAGGAATATTGTTTCTGAATTAACAATAATTAAGAG
CAGCTTTATCATCCCAACATTGTACGTTATTACAAAACATTTCTGAAAATGATAGGTTG
TACATAGTTATGGAGCTGATAGAAGGAGCCCGCTTGGAGAGCATTTCAGTTCTTTGAAG
GAAAAACATCACCATTTTACTGAAGAAAGACTATGGAAAATTTTATACAGCTGTGCTTA
GCTCTTCGATACTTACACAAGGAGAAGAGGATTGTCCATAGAGATCTGACACCAACAAC
ATTATGTTGGGGGATAAGGACAAAGTAACCGTTACTGACTTTGGCCTGGCAAAGCAAAAA
CAAGAAAACAGTAACTCACCTCTGTGGTTGGAACAATCCTGTATTCTTGTGTGCAGCAC
CTCTACCTTCGCTCTCCTGCTCTGCTCTGGCCACA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM\_199347
- 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_199347.2</a></u> , <u><a href="#">NP_955379.2</a></u>
<b>RefSeq Size:</b>	2656 bp
<b>RefSeq ORF:</b>	2139 bp
<b>Locus ID:</b>	152110
<b>UniProt ID:</b>	<u><a href="#">Q6ZWH5</a></u>
<b>Cytogenetics:</b>	3p24.1
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Gene Summary:</b>	<p>Plays a role in the cellular response to UV irradiation. Mediates G2/M cell cycle arrest, MEK autoactivation and ERK1/2-signaling pathway activation in response to UV irradiation. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks multiple 3' coding exons and contains an alternate 3' terminal exon, compared to variant 2, resulting in a different 3' coding region and 3' UTR. The encoded isoform (3) has a distinct C-terminus and is shorter than isoform 2.</p>