

Product datasheet for **SC327118**

NEK11 (NM_001146003) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NEK11 (NM_001146003) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEK11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

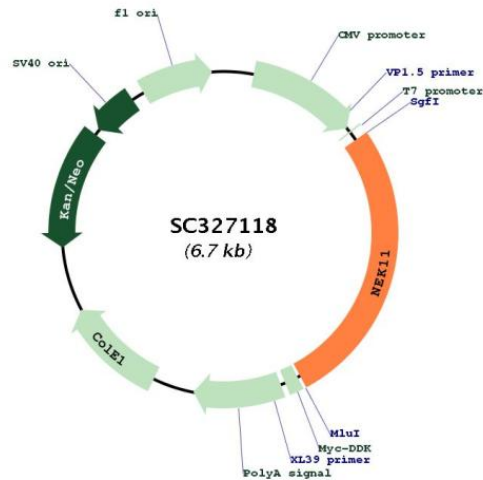


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Fully Sequenced ORF: >SC327118 representing NM_001146003.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCTGAAATCCAAGAGGCAGCTAAGTGTGTGAGTGGATCAACAGCCATTTCCACTTATCCAAAGACC
TTGATTGCAAGAAGATACGTGCTTCAACAAAAACTTGGCAGTGGAAAGTTTGGAACTGTCTATCTGGTT
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GATTCCTATTGTGAAGAGAGTGTGAGGAGGAAGAAGAAATAGCGTTAGAAAAGCCAGAGAAAGAAATC
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TGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001146003

Insert Size: 1800 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_001146003.1](#)

RefSeq Size: 2793 bp

RefSeq ORF: 1800 bp

Locus ID: 79858

UniProt ID: [Q8NG66](#)

Cytogenetics: 3q22.1

Protein Families: Druggable Genome, Protein Kinase

MW: 68.9 kDa

Gene Summary: This gene encodes a member of the never in mitosis gene A family of kinases. The encoded protein localizes to the nucleoli, and may function with NEK2A in the S-phase checkpoint. The encoded protein appears to play roles in DNA replication and response to genotoxic stress. Alternatively spliced transcript variants have been described.[provided by RefSeq, Mar 2009]
Transcript Variant: This variant (3) lacks an exon in the 5' UTR and lacks an exon in the coding region, which results in a frameshift and an early stop codon compared to variant 1. The encoded isoform (3) is shorter and has a distinct C-terminus compared to isoform 1.