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Product datasheet for SC331311

NEK1 (NM_001199400) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: NEK1 (NM_001199400) Human Untagged Clone

Tag: Tag Free

Symbol: NEK1

Synonyms: ALS24; NY-REN-55; SRPS2; SRPS2A; SRTD6

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC331311 representing NM_001199400.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAGAAGTATGTTAGACTACAGAAGATTGGAGAAGGTTCATTTGGAAAAGCCATTCTTGTTAAATCT
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GAATCAAGGAGAGAAGTTGCAGTATTGGCAAACATGAAGCATCCAAATATTGTCCAGTATAGAGAATCA
TTTGAAGAAAATGGCTCTCTCTACATAGTAATGGATTACTGTGAGGGAGGGGATCTGTTTAAGCGAATA
AATGCTCAGAAAGGCGTTTTGTTTCAAGAGGATCAGATTTTGGACTGGTTTGTACAGATATGTTTGGCC
CTGAAACATGTACATGATAGAAAAATTCTTCATCGAGACATTAAATCTCAGAACATATTTTTAACTAAA
GATGGAACAGTACAACTTGGAGATTTTGGAATTGCTAGAGTTCTTAATAGTACTGTAGAGCTGGCTCGA
ACTTGCATAGGGACCCCATACTACTTGTCACCTGAAATCTGTGAAAACAAACCTTACAATAATAAAAGT
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GTAGAAAGAGCTAAACAAGTAGAAGAGTTCCTGCAGCGAAAACGGGAAGCTATGCAGAATAAAGCTCGA
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TCAAAGCAACAGATGAGATCTGTTATTTCTGTAACTTCAGCTTTGAAAGAAGTTGGCGTGGACAGTAGT

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TTAACTGATACCCGGGAAACTTCAGAAGAGATGCAAAAGACCAACAATGCTATTTCAAGTAAGCGAGAA
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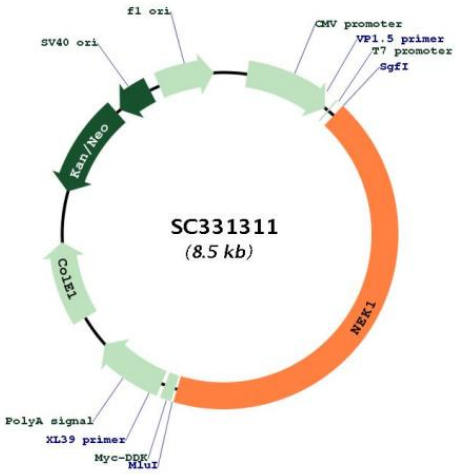
CAGGAAATGGGCTTTGAAAAATTCTTTGAGGTTTATGAGAAAATAAAGGCTATTCATGAAGATGAAGAT
GAAAATATTGAAATTTGTTCAAAAATAGTTCAAAATATTTTGGGAAATGAACATCAGCATCTTTATGCC
AAGATTCTTCATTTAGTCATGGCAGATGGAGCCTACCAAGAAGATAATGATGAATAA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001199400

Insert Size: 3645 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).
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_001199400.1
RefSeq Size:	5557 bp
RefSeq ORF:	3645 bp
Locus ID:	4750
UniProt ID:	Q96PY6
Cytogenetics:	4q33
Protein Families:	Druggable Genome, Protein Kinase
MW:	138.1 kDa
Gene 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] Transcript Variant: This variant (5) differs in the 5' UTR and lacks two alternate in-frame exons compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.