

## Product datasheet for **SC331309**

### NEK1 (NM\_001199398) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NEK1 (NM_001199398) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEK1
Synonyms:	ALS24; NY-REN-55; SRPS2; SRPS2A; SRTD6
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331309 representing NM_001199398. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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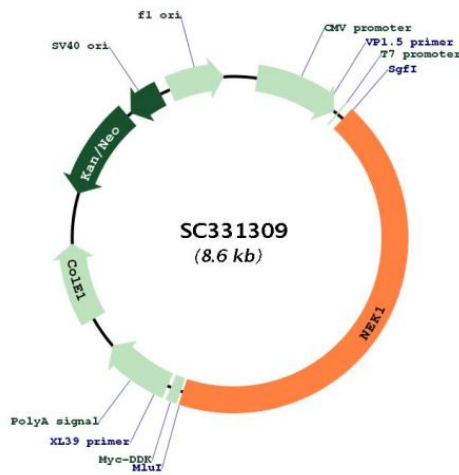
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Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN:

NM\_001199398

Insert Size:

3729 bp

<b>OTI Disclaimer:</b>	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).
<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>NM_001199398.1</u>
<b>RefSeq Size:</b>	5563 bp
<b>RefSeq ORF:</b>	3729 bp
<b>Locus ID:</b>	4750
<b>UniProt ID:</b>	<u>Q96PY6</u>
<b>Cytogenetics:</b>	4q33
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>MW:</b>	141.1 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.</p>