

## Product datasheet for **SC318703**

### Ninein (NIN) (NM\_182944) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ninein (NIN) (NM_182944) Human Untagged Clone
Tag:	Tag Free
Symbol:	NIN
Synonyms:	SCKL7
Vector:	<u>pCMV6 series</u>

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_182944, the custom clone sequence may differ by one or more nucleotides

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AGAAGGATTGGGCACCTG
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- Restriction Sites:** Please inquire
- ACCN:** NM\_182944
- 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\\_182944.2](#), [NP\\_891989.2](#)
- RefSeq Size:** 6808 bp
- RefSeq ORF:** 6141 bp
- Locus ID:** 51199

UniProt ID: [Q8N4C6](#)

Cytogenetics: 14q22.1

**Gene Summary:** This gene encodes one of the proteins important for centrosomal function. This protein is important for positioning and anchoring the microtubules minus-ends in epithelial cells. Localization of this protein to the centrosome requires three leucine zippers in the central coiled-coil domain. Multiple alternatively spliced transcript variants that encode different isoforms have been reported. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (1) contains a different 3' coding region and 3' UTR when compared to variant 2. The resulting isoform (1) has a distinct and shorter C-terminus, as compared to isoform 2.