

Product datasheet for **SC309652**

Ninein (NIN) (NM_016350) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ninein (NIN) (NM_016350) Human Untagged Clone
Tag:	Tag Free
Symbol:	NIN
Synonyms:	SCKL7
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016350, the custom clone sequence may differ by one or more nucleotides

```

ATGGATGAGGTGGAGCAGGACCAGCATGAGGCCGACTCAAGGAGCTGTTTGACAGTTTT
GACACGACGGGCACAGGGTCCCTGGGGCAGGAGGAACTCACCGACCTTTGCCACATGTTG
AGCTTGGAGGAGGTGGCCCCAGTGTGCAGCAGACATTACTTCAGGACAACCTCTTGGGC
AGGGTACATTTTGACCAATTTAAGAAGCATTAACTCATCTTGTCCAGAACTCTGTCA
AATGAAGAACACTTTCAAGAACCAGACTGCTCACTAGAAGCTCAGCCAAATATGTTAGA
GGTGGGAAGCGTTACGGACGAAGGTCCTTGCCCGAGTTCCAAGAGTCCGTGGAGGAGTTT
CCTGAAGTGACGGTGATTGAGCCACTGGATGAAGAAGCGGGCCTTCACACATCCAGCC
GGTGACTGCAGTGAGCACTGGAAGACGCAACGCAGTGAGGAGTATGAAGCGGAAGGCCAG
TTAAGGTTTTGGAACCCAGATGACTTGAATGCTTCACAGAGTGGATCTTCCCCTCCCAA
GACTGGATAGAAGAGAACTGCAAGAAGTTTGTGAAGATTTGGGGATCACCCGTGATGGT
CACCTGAACCGGAAGAAGCTGGTCTCCATCTGTGAGCAGTATGGTTTACAGAATGTGGAT
GGAGAGATGCTCGAGGAAGTATCCATAATCTTGATCCTGACGGTACAATGAGTGTAGAA
GATTTTTTCTATGGTTTGTAAAAATGGAAAACTCTTACACCATCAGCATCTACTCCA
TATAGACAACATAAAAAGGCACCTTCCATGCAGTCTTCGATGAGAGTGGACGACGTACC
ACAACCTCATCAGCAATGACAAGTACCATTGGCTTTCGGGTCTTCTCCTGCCTGGATGAT
GGGATGGCCATGCATCTGTGGAGAGAATACTGGACACCTGGCAGGAAGAGGGCATTGAG
AACAGCCAGGAGATCCTGAAGGCCTTGGATTTACGCCTCGATGGAACATCAATTTGACA
GAATTAACACTGGCCCTTAAAAATGAACTTTTGGTTACCAAGAACAGCATTACCAGGCG
GCTCTGGCCAGCTTAAGGCTGAAATCCGGCATTGTTGGAACGAGTTGATCAGGTGGTC
AGAGAAAAAGAGAAGCTACGGTCAGATCTGGACAAGGCCGAGAAGCTCAAGTCTTTAATG
GCCTCGGAGGTGGATGATCACCATGCGGCCATAGAGCGGCGGAATGAGTACAACCTCAGG
AAACTGGATGAAGAGTACAAGGAGCGAATAGCAGCCTTAAAAAATGAACTCCGAAAAGAG
AGAGAGCAGATCCTGCAGCAGGCAGGCAAGCAGCGTTTAACTTGAACAGGAAATTGAA
AAGGCAAAAACAGAAGAGAACTATATCCGGGACCGCCTTGCCCTCTTTAAAGGAAAAC
AGTCGTCTGGAATGAGCTTCTAGAAAATGCAGAGAAGTTGGCAGAATATGAGAATCTG
ACAAAACAACTTCAGAGAAATTTGAAAAATGTGTAGCAGAAAAGTTGGTGACCTCGAT
CCTAGCAGTGCTGAGTCTTCTCCTGCAAGAAGAGAGACTGACACAGATGAGAAATGAATAT
GAGCGGCAGTGCAAGGACTACAAGACCAAGTAGATGAACTCCAGTCTGAGCTGGAAGAA
TATCGTGACAAGGCAGAGTGCTCAGGCTCCGTTGAAGAACTCACCGTCAGAAGAAGTT

```



[View online »](#)

GAGGCTAACAGCGGTGGCATTGAGCCCGAACACGGGCTCGGTTCTGAAGAATGCAATCCA
 TTGAATATGAGCATTGAGGCAGAGCTGGTCATTGAACAGATGAAAGAACAACATCACAGG
 GACATATGTTGCCTCAGACTGGAGCTCGAAGATAAAGTGCGCCATTATGAAAAGCAGCTG
 GACGAAACCGTGGTCAGCTGCAAGAAGGCACAGGAGAACATGAAGCAAAGGCATGAGAAC
 GAAACGCACACCTTAGAAAAACAATAAGTGACCTTAAAAATGAAATTGCTGAACTTCAG
 GGGCAAGCAGCAGTGCTCAAGGAGGCACATCATGAGGCCACTTGCAGGCATGAGGAGGAG
 AAAAAACAACAGTGAAGCTTGAGGAGGAAAAGACTCACCTGCAGGAGAAGCTGAGG
 CTGCAACATGAGATGGAGCTCAAGGCTAGACTGACACAGGCTCAAGCAAGCTTTGAGCGG
 GAGAGGGAAGGCCTTCAGAGTAGCGCTGGACAGAAGAGAAGGTGAGAGGCTTACTCAG
 GAACTAGAGCAGTTTACCAGGAGCAGCTGACAAGCCTGGTGGAGAAACACACTCTTGAG
 AAAGAGGAGTTAAGAAAAGAGCTCTTGAAAAGCACCAAAGGGAGCTTCAGGAGGGAAGA
 TATGAATCTGAAAAGCTTCAACAGGAAAATCTATTTTGAGAAATGAAATTAATACTTTA
 AATGAAGAAGATAGCATTCTAACCTGAAATTAGGGACATTAATGGATCTCAGGAAGAA
 ATGTGGCAAAAAACGAAACTGTAAAACAAGAAAATGCTGCAGTTCAGAAGATGGTTGAA
 AATTTAAAGAAACAGATTTCAGAATTAATAATCAAAAACCAACAATTGGATTTGAAAAT
 ACAGAACTTAGCCAAAAGAACTCTCAAAACCAGGAAAAACTGCAAGAACTTAATCAACGT
 CTAACAGAAATGCTATGCCAGAAGGAAAAAGAGCCAGGAAACAGTGCATTGGAGGAACGG
 GAACAAGAGAAGTTAATCTGAAAGAAGAACTGGAACGTTGTAAGTGCAGTCTCCACT
 TTAGTGTCTTCTCTGGAGGCGGAGCTCTCTGAAGTTAAAAACAGACCCATATTGTGCAA
 CAGGAAAACCACCTTCTCAAAGATGAACTGGAGAAAATGAAACAGCTGCACAGATGTCCC
 GATCTCTCTGACTTCCAGCAAAAAATCTCTAGTGTCTAAGCTACAACGAAAAACTGCTG
 AAAGAAAAGGAAGCTCTGAGTGAGGAATTAATAGCTGTGTGATAAGTTGGCAAAATCA
 AGTCTTTTAGAGCATAGAATTGCGACGATGAAGCAGGAACAGAAATCCTGGGAACATCAG
 AGTGCGAGCTTAAAGTCAAGCTGGTGGCTTCTCAGGAAAAGGTTCAGAATTTAGAAGAC
 ACCGTGCAAGATGTAACCTGCAATGTCCCGGATGAAATCTGACCTACGAGTACTCAG
 CAGGAAAAGGAGGCTTTAAAACAAGAAGTGATGTCTTTACATAAGCAACTTCAGAATGCT
 GGTGGCAAGAGCTGGGCCCCAGAGATAGCTACTCATCCATCAGGGCTCCATAACCAGCAG
 AAAAGGCTGTCTGGGACAAGTTGGATCATCTGATGAATGAGGAACAGCAGCTGCTTTGG
 CAAGAGAATGAGAGGCTCCAGACCATGGTACAGAACACCAAAGCCGAACTCACGCACTCC
 CGGAGAAAGGTCAGTTGGAATCCAATCTTCTTCCAAGCACAAAAACATCTAAAC
 CCATCAGGTACCATGAATCCCACAGAGCAAGAAAATTTAGCTTAAAGAGAGAGTGTGAT
 CAGTTTCAGAAAGAACAATCTCCTGCTAACAGGAAGGTCAGTCAAGATGAATTCCTTGAA
 CAAGAATTAGAAAACAATTCATTTGAAAATGAAGGCTGAAAAAGAAAACAAGTAAAACCTG
 GATGAGCAGCTCATGGAGATGCAGCACCTGAGGTCCACTGCGACGCCTAGCCCGTCCCCT
 CATGCTTGGGATTTGCAGCTGCTCCAGCAGCAAGCCTGTCCGATGGTGCCAGGGAGCAG
 TTTCTGCAGCTTCAACGCCAGCTGCTGCAGGCAGAAAGGATAAACCAGCACCTGCAGGAG
 GAACTTGAACAGGACCTCCGAAACCAACACACCACAGGGAACCCAGGAACAACCTGGTA
 ACTGTCATGGAGGAACGAATGATAGAAGTTGAACAGAACTGAACTAGTAAAAGGCTT
 CTTCAAGAGAAAAGTGAATCAGCTCAAAGAACAAGTGAGCCTACCCGGTCACTCTGTTC
 CCCACCTCACATTCAGCTTTAACTCCAGTTTTACATCCCTTTATTGCCATTAA

Restriction Sites:

Please inquire

ACCN:

NM_016350

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_016350.3](#), [NP_057434.3](#)

RefSeq Size: 6683 bp

RefSeq ORF: 6291 bp

Locus ID: 51199

UniProt ID: [Q8N4C6](#)

Cytogenetics: 14q22.1

Domains: M

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 (6) lacks an alternate in-frame exon in the central coding region and uses a distinct 3' coding region and 3' UTR, compared to variant 2. The resulting isoform (6) lacks an internal segment and has a shorter and distinct C-terminus, compared to isoform 2.