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Product datasheet for RC215020

Ninein (NIN) (NM_020921) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ninein (NIN) (NM_020921) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ninein
Synonyms:	SCKL7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC215020 representing NM_020921
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC215020 representing NM_020921
Red=Cloning site Green=Tags(s)

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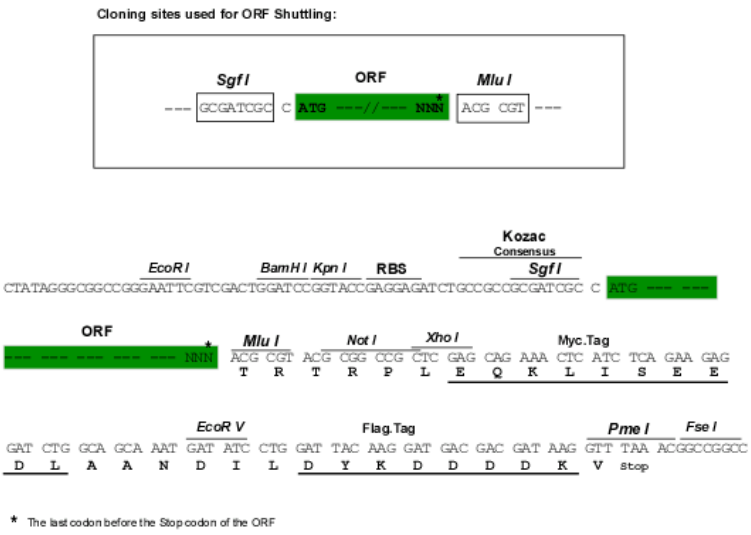
Chromatograms: https://cdn.origene.com/chromatograms/mk8027_e10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020921

ORF Size: 6399 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_020921.3, NP_065972.3

RefSeq Size: 10293 bp

RefSeq ORF: 6402 bp

Locus ID: 51199

UniProt ID: Q8N4C6

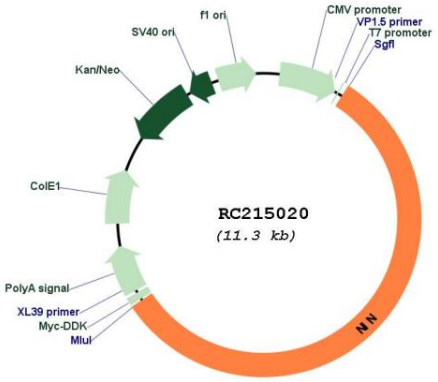
Cytogenetics: 14q22.1

Domains: EFh

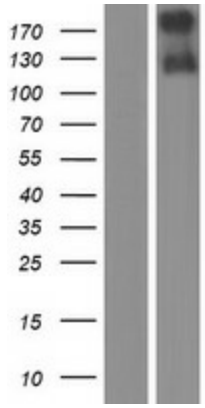
MW: 248.1 kDa

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]

Product images:



Circular map for RC215020



Western blot validation of overexpression lysate (Cat# [LY412219]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215020 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).