

Product datasheet for MR231905

Nin (NM_001286080) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nin (NM_001286080) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nin
Synonyms: 3110068G20Rik; AI385615; AU024711; mKIAA1565
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR231905 representing NM_001286080
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>MR231905 representing NM_001286080
Red=Cloning site Green=Tags(s)

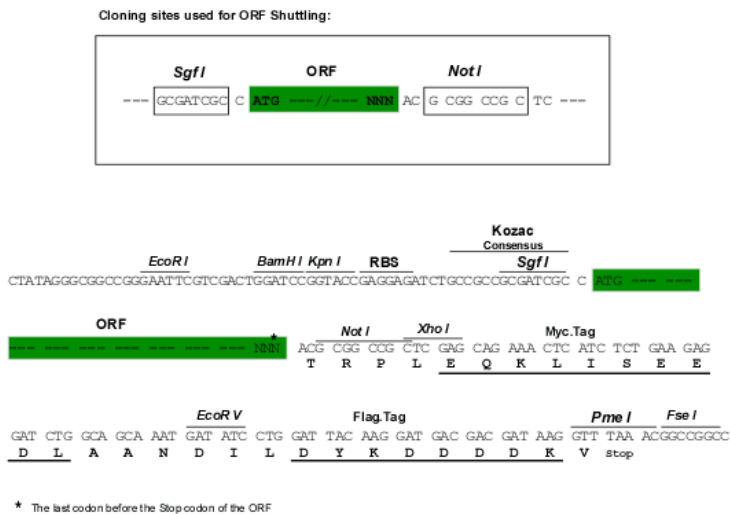
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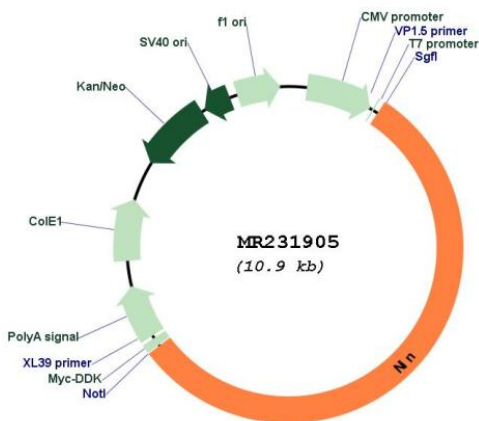
Restriction Sites:

Sgfl-NotI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286080

ORF Size: 6078 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:	<ol style="list-style-type: none">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:	<u>NM_001286080.2</u> , <u>NP_001273009.1</u>
RefSeq Size:	6791 bp
RefSeq ORF:	6081 bp
Locus ID:	18080
UniProt ID:	<u>Q61043</u>
Cytogenetics:	12 C2
MW:	234.1 kDa
Gene Summary:	Centrosomal protein required for the positioning and anchorage of the microtubule minus-end in epithelial cells (PubMed:15784680, PubMed:10934040). May also act as a centrosome maturation factor (By similarity). May play a role in microtubule nucleation, by recruiting the gamma-tubulin ring complex to the centrosome (PubMed:15784680). Overexpression does not perturb nucleation or elongation of microtubules but suppresses release of microtubules (By similarity). Required for centriole organization and microtubule anchoring at the mother centriole (By similarity).[UniProtKB/Swiss-Prot Function]