

Product datasheet for MC225136

Nin (NM_008697) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nin (NM_008697) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nin
Synonyms:	3110068G20Rik; AI385615; AU024711; mKIAA1565
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225136 representing NM_008697 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATGAGGTGGAGGAGGACCAGCATGAAGCCCGACTCAAGGAGCTGTTTGACAGTTTTGACACCCTGG
GAACTGGGTCTCTGGGTCAAGAGGAGCTCACTGACCTCTGCCACGTGCTGTGCTTGGAGGATGTGGCC
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AAAAGTTTGGTGACCTCGATCCCAGCAGTGTCTGAGTTCTTTCTTCAAGAGGAGAGGCTGGCGCAGATGAG
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TTGAATCAGATCTCCAAGTGACTCGACAGGAAAAGGAGCGCTAAAGCAGGAAGTGATGTCATTACACAG
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CAGCAGAGAAGGCTGTCTGGGACAACTGGACCATCTGATGAATGAGGAACCACAGCTGCTTTGTCAAG
AAAGCAAGAGACTCCAGACTGTGGTACAGAATACCCAAGCAGATCTCACCCTCCCGGGAAGGTCCG
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ACAGAACAAGAAAACCTGACCTTAAAGAGAGAGTGTGAACAGTCTCAGAAAGAACAATCTCTACCAGCA
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CCATCCTCTCACTGGGATCTGCAGTTGCTCCAGCAGCAAGCCTGTCCGATGGTGGCCAGGGAGCAGTTTC
TGCAGTTCAACAGCAGCTGCTGCAGGCAGAAAAGAGAAGCCAGCACCTGCAGGAGGAGCTCGAAAAACAG
AACCTCCGAAACCAACACACCACAGGCTTTGCTACTGGAGCAGCGAGCTGTGCATGCAGATTCTGCAGA
AGGATTGGGCACCTCTGA

ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-NotI
ACCN:	NM_008697
Insert Size:	6108 bp
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).
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_008697.4</u> , <u>NP_032723.2</u>
RefSeq Size:	6818 bp
RefSeq ORF:	6108 bp
Locus ID:	18080
UniProt ID:	<u>Q61043</u>
Cytogenetics:	12 C2

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]

Transcript Variant: This variant (2) and variant 3 encode the same isoform (2).