

## Product datasheet for **MC229694**

### Nin (NM\_001286080) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nin (NM\_001286080) 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:** >MC229694 representing NM\_001286080  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGATGAGGTGGAGGAGGACCAGCATGAAGCCCGACTCAAGGAGCTGTTTGACAGTTTTGACACCCTGG  
 GAACTGGGTCTCTGGGTCAAGAGGAGCTCACTGACCTCTGCCACGTGCTGTGCTTGGAGGATGTGGCC  
 GGTGCTGCAACAGACGCTACTCCAGGACAACCTCTTGGCAGGGTACATTTTGACCAATTTAAAGAAGCA  
 TTAATACTTATCTGTCTAGAACTCTATCCAGTGAGGAGCACTTTGAGGAGTCACTGTTCCCAAGAA  
 CTCAGCCCAAATATGTTAGAGGTGGGAAGCGTTATGGACGAAGATCACTGCCCGAGTTTCAAGAGTCTGG  
 GGAAGAGATCGAGGAGGTGACAGTGCTTGGCCACTAGAGGAAGAAGCGAGGTCATCACCCATCCCAGCT  
 GGGGACTGCGGCGAGCACTGGAAGACACAACGCAGTGAGGAGTATGAAGCAGAAGGCCAGCTGAGGTTTT  
 GGAACCCAGATGACCTGAATGCTTCACATGGTGGGTCTTGCCCTCCTCCAGACTGGATAGAAGAGAACT  
 GCAAGAGGTTTGTGAAGATCTGGGGATCACTCGAGATGGTCACCTGAACCGGAAGAAGCTGGTTCCATC  
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 GCAACCTCGTCAGCAATGACGAGTACCATTGGCTTCCGGTCTTCTCCTGCTTGGATGACGGGATGGCC  
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 GGCCCTGGATTTGAGCCTGGATGGAAACATCAACCTGACAGAGCTGACGCTGGCTCTGGAGAATGAACCT  
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 CGAGAGAAGTTGGCAGAGTACGAGAGCCTGACGAGAAGCTCCAGCGCAGTTTGAAAAATGTGTTAGCAG



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AAAAGTTTGGTGACCTCGATCCCAGCAGTGTGAGTTCTTTCTTCAAGAGGAGAGGCTGGCGCAGATGAG  
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 ACAAGAAACCCAGTGTGTGAGCAGGGAAGCAGCAAGCTCTAGCTAGAATAAAAGCACACGAAATCGCC  
 TGGTTCCACAGAGCAATTAAGACACATCCGAAAAGCCTAGCGCGCAGAACCGAGTCACTCCCGAGGGAA  
 GTGCTGCTCTCCTAGGCCTACAAGACAAGCATCTTCAAGCAGGAGGCCACCATCGCAGAGTTAGAACTAGA  
 GAAGCAAAAGCTACAGGAGCTGACTAGAAATCTGAGGGAGCGAGTCACTGCACTAGTTAGGCAAAAAGAC  
 GCCCTTCTCAAGGGCAGAAGGAGGAGGAGCTGAAGGCAATGATGCAGGACCTGCAGATCACGTGCGGGG  
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 AGGGAGGAGCCAGGAGCTTGACCTCTGAGAAAATGGGAACAAGAAAATGCAAGCCTCAAAGAAGAACTGG  
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 TGTCTGACCTCTGACTTCCAGCAAAAAATGTCTAGCATTCTAAGCTACAATGAAAACCTGCTGAAGG  
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CAGAATTGCTACAATGAAGCAGGAGCAGACCGCCTGGGAAGAGCAGAGTGAGAGCCTGAAGTCACAGCTG  
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TTGAATCAGATCTCCAAGTGACTCGACAGGAAAAGGAGGCGCTAAAGCAGGAAGTGATGTCATTACACAG  
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ACAGAACAAGAAAACACTGACCTTAAAGAGAGAGTGTGAACAGTCTCAGAAAGAACAATCTCTACCAGCA  
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GAAGAAACAGATGCAGCCCTGAGGTCCACTGTGACGCGTAGCCCATCTCTCACTGGGACTGCAGTTG  
CTCCAGCAGCAAGCCTGTCCGATGGTGCCAGGGAGCAGTTTCTGCAGCTTCAACAGCAGCTGCTGCAGG  
CAGAAAAGAGAAGCCAGCACCTGCAGGAGGAGCTCGAAAACAGAACCTCCGAAACCAACACACCACAGGC  
TTTGCTACTGGAGCAGCGAGCTGTGCATGCAGATTCTGCAGAAGGATTGGGCACCTCTGA

ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA  
TTACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-NotI
<b>ACCN:</b>	NM_001286080
<b>Insert Size:</b>	6081 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001286080.2</a></u> , <u><a href="#">NP_001273009.1</a></u>
<b>RefSeq Size:</b>	6791 bp
<b>RefSeq ORF:</b>	6081 bp
<b>Locus ID:</b>	18080
<b>UniProt ID:</b>	<u><a href="#">Q61043</a></u>
<b>Cytogenetics:</b>	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 (4) lacks an in-frame segment in the coding region, compared to variant 2. The resulting isoform (3) lacks an internal segment, compared to isoform 2.