

Product datasheet for **MC229696**

Nin (NM_001286079) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nin (NM_001286079) 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: >MC229696 representing NM_001286079
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATGAGGTGGAGGAGGACCAGCATGAAGCCCGACTCAAGGAGCTGTTTGACAGTTTTGACACCCTGG
 GAACTGGGTCTCTGGGTCAAGAGGAGCTCACTGACCTCTGCCACGTGCTGTGCTTGGAGGATGTGGCC
 GGTGCTGCAACAGACGCTACTCCAGGACAACCTCTTGGCAGGGTACATTTTGACCAATTTAAAGAAGCA
 TTAATACTTATCTGTCTAGAACTCTATCCAGTGAGGAGCACTTTGAGGAGTCAGACTGTCCCCAGAAG
 CTCAGCCCAAATATGTTAGAGGTGGGAAGCGTTATGGACGAAGATCACTGCCCGAGTTTCAAGAGTCTGG
 GGAAGAGATCGAGGAGGTGACAGTGCTTGGCCACTAGAGGAAGAAGCGAGGTCATCACCCATCCCAGCT
 GGGGACTGCGGCGAGCACTGGAAGACACAACGCAGTGAGGAGTATGAAGCAGAAGGCCAGCTGAGGTTTT
 GGAACCCAGATGACCTGAATGCTTCACATGGTGGTCTTGGCCCTCCTCCAGACTGGATAGAAGAGAACT
 GCAAGAGGTTTGTGAAGATCTGGGGATCACTCGAGATGGTCACCTGAACCGGAAGAAGCTGGTTCCATC
 TGCGAACAGTATGGATTACAGAATGTGGATGGAGCGATGCTGGAAGAGGTGTTTCTCAGCCTTGATCCTG
 ATGGAACAATGAGTGTGGAAGACTTTTTCTATGGTCTGTTAAGACTGGGAAATCCCTCAGCCATCAGC
 ATCTACTCCCTATAGACAACTGAAACGGCATCTCTCTATGCAGTCTTTCGATGAGAGTGGACGGCCGACC
 GCAACCTCGTCAGCAATGACGAGTACCATTGGCTTCCGGTCTTCTCCTGCTTGGATGACGGGATGGCC
 AGGCGTCTGTGGAGAGGATACTGGACACCTGGCAGGAAGAAGGCATTGAGAACAGTCAGGAGATTCTGAA
 GGCCCTGGATTTGAGCCTGGATGGAAACATCAACCTGACAGAGCTGACGCTGGCTCTGGAGAATGAACCT
 TTGGTTACCAAGAATGGCATTACCAGGCAGCACTAGCTAGCTTCAAGGCCGAGATCCGGCACTTGTAG
 AACGAGTTGACCAAGTAGTCAGAGAAAAGGAGAAGCTACGGTCCGACCTGGACAAAGCAGAAAAGCTGAA
 GTCTCTCATGGCTTCCGAGGTGGACGATCACACGCGGCCATTGAGCGGAGGAATGAATACAACCTCAGG
 AAAGTGGATGAAGAATAAAGGAGCGCATAGCAGCCTTAAAGAACGAACCTCCGCCAGGAGAGGGAACAGA
 TGTTGCAGCAAGTGGGCAAGCAGCGGGTGGAGCTGGAACAGGAAATCAAAGGCCAAGACGGAAGAGAA
 TTACATCCGGGACCGCTTGGCCCTCCTTGAAGGAAAACAATCGCCTGGAGACTGAGCTTCTGAAAAAC
 CGAGAGAAGTTGGCAGAGTACGAGAGCCTGACGAGAAGCTCCAGCGCAGTTTGGAAAATGTGTTAGCAG



[View online »](#)

AAAAGTTTGGTGACCTCGATCCCAGCAGTGTGAGTTCTTTCTTCAAGAGGAGAGGCTGGCGCAGATGAG
AAATGAATATGAGCAACAGTGCAGGCTATTACAAGACCAAGTGGATGAGCTTCAGTCTGAACTAGAAGAA
TACCAGGCTCAAGGCAGGGTGTCTCAGACTCCCCTTGAAGAAGTGCCTGTGAGAGAACTCGACGGTCA
GTGGTGGTATTGAGCCCGACCAAGGGCTGGATCTGAAGAGTGAACCCCTGAATATGAGCATTGAGGC
AGAGCTGGTTCATCGAGCAGATGAAGGAGCAGCACCACCGGACCTGTGTACCTGAGACTGGAGCTGGAA
GACAAAGTGCCTCACTATGAAAAGCAGCTGGATGATACCAGGGTGCCTCTGAACAGGAGCAGCCAGCCA
TGAAGCAGAAGTATGAGCAGGGAGTGCACACCTTGGAGAAGCAGTGCAGCAGCTTCGGAGTGAGATTGC
AGACTTGAAGGGCAGGCAGCCGTGCTGAGGGAGGCCACCACAAGGCCAGCTGCAGGCAGGAGGGAA
AAGAGACAAGTGCAAATGGCGTTTCGATGAGGAAAAGGCTCAGCTCCAGGAGGAGCTGCGGCAGGAGCATG
AGAGGGAGCTCCAGGCCAGGCTGCAGCAGGCAGCGGAGAGCTTTCGCCAGGAGAGAGAGGGACTCGCCCA
GGCTGCCTGGACTGAGGAGAAGGTGAGAGGCTTGGAGCAATCTTACCAGGAGCAGCTGCTGAGCCTGGAG
GAGAAGCATGCTCTAGAGAAAAGAGCTGAGGGAAGAGCTCTCGGAACATCACCGAAGGAACTCCAGG
AGGGAAGGGAAGAAATGGAAACAGAGTGTAAAGAGTCTCTCAGATAGAAGCCAGTGCAGGCTGA
CTGTGAGAAAAGTCACTGAGCACTGTGAACAACTCTGAAAGCCTCGAGGTTCCGCCACCGCAGGAGCTG
AGGGACCTCTTGGACCAGCACCTGGAGGAAAGGTCTCAGTGGGAGTTTGAAGGATGAGCTTACACAAG
AGTGCACAGATGCCAGGAGCAGCTGAAGGAGGCGCTCCAGAGGGAGAGGGCGACCGCTGCGGCCATGAA
GCAGGAACAGGAGATACTGGAGAGGACATACAAGGACCGTTTGAATATCCTGAGCACGGAAGAAAGCAG
CTGCTGCAAGACCTGAAAGACCTACAGAACGCATCTGAGAGCCAGCATGGCCTCCTGTCTGGCCAGATAC
TTGAGCTGAAGAGAAGTCAAGGAGAGAACTGAGGGACCAAGGGCAGGCGCTATGCCAGACGGGGTCTC
TGAGCAGCTGGCCAGCCAGCAGCTCGAAAGGCTCCGGGTTGAGCATGAGCAAGAGAGGGCAGAAATGACG
GGCAAGCTTCCGCCCTGGAGAGCGCCACAGAGCAAGCCTTGAAGAGCAGATCAAGAGAAGGCGGAGA
TGAGCACAGAAATCTGCAGGCTTCAAGATACAGTCAAGGACATGCAGCAGGCAGCATCTCTTTGATGCT
TCAGGGTGGCTGCCAGGCAACGGCAGGGAGGAGGAGGAGATGGAGCCATGTCCTGCTTCCAGCAA
GGCAGCAGCTATTGGAAGAAAACGGAGATGTCCTCATCAGCCTGCAGAGAGCTCACGAGCATGCAGTGA
AGGAAAATGCAAAGATGGCTACTGAAATTTCCCGATTGCAGCAGAGGCTGAAGAAGTTAGAGCCGGGTC
GGTATCTCGTCTGTTTGGAGGAGGGGAGCTCTGAGATTTTGGAAAGTCCAGGGAACAAGTAGAACCC
ATAATGAAACAAGGTCCAGCCACCAAGCACTTCTGAGCGATCTAGGAGACCACGAGGCCCGGGACCTGG
CAAGTACCGGGACAAGCTCCGTTCAAGAGCAGGAGTGCAAAACCGAGGCGTCGGAAGCTTCCCTGGACTG
CTTTTCTGAGCTTGAACACAGTGAAGACACCAGGACCGAGTCTGGGACCTCAAGAGTCAAGTCAAGCAG
CTTCGGGAGCAACTGACGGTCTTGCAGCAGACTGCGATCGGGCTTCCGAGAGGAAACAGGACCTGCTTT
TCGATATCTCTGTGCTGAAAAGAACTGAAGATGCTGGAGAGACTCCCGAGGCACTTCCAGGTATAA
GGTATTATACGAGGATGCCGCCGAGAAAACCTCTGCCTTCAAGGAGGAGCTGAGACTTGTAGAGACGCGC
TACGAGGAGTTCGCTGGACAGCAAAAGAGCTTACGGCGGAGGTCTACAGGTTGCAGGATGAGATGAAGA
AAATGGAGGAGGTGATGGAGACGTTCTCAGCCTGGAGAAGAGTTACGATGAGGTCAAAGTGGAAAATGA
GGAACCTCCGTGCTCTGGTGTGAGACTTCAAGGGAAGATGGAGAAGGTGCTGGGAAGGGCCGCCCTGCAG
GGTGACAGCTACGCCCTCTGGGAAGCCCTTCAAGAAAACCTGGAGGTGCCTCGGATGAAAAGATGCTTG
AACTCCGTCAAGTCCGAAAGAGTGTACGCCAAAGTCTGAGCATGCACCACATCATAGAAGAGTGTAC
ACAAGAAACCCAGTGTGTGAGCAGGGAAGCAGCAAGCTCCTAGCTAGAATAAAAGCACACGAAATCGCC
TGGTTCCACAGAGCAATTAAGACACATCCGAAAAGCCTAGCGCGCAGAACCGAGTCACTCCCGAGGGGAA
GTGCTGCTCTCCTAGGCCTACAAGACAAGCATCTTCAAGCAGGAGGCCACCATCGCAGAGTTAGAAGTGA
GAAGCAAAAGCTACAGGAGCTGACTAGAAATCTGAGGGAGCGAGTCACTGCACTAGTTAGGCAAAAAGAC
GCCCTTCTCAAGGGCAGAAGGAGGAGGAGCTGAAGGCAATGATGCAGGACCTGCAGATCACGTGCGGGG
AGATGCAGAGGAAGGTTGAACTCCTGAGATATGAATCTGAAAAGCTTCAAGAGGAAAATCTATTTTGA
AAATGAAATTAATACTTTAAATGAAGAAGATAGCATCTCTAACCTGAAATGGAGGAATTAATGGCTCT
CAGGAAGAATTGTGCAGAAAATAGAAACCATAGAGCAGGAAAAGCTTCAATTCAGACAATGGTTGAAA
AATTAAGAAAACAGGTTTCAGATTTAAAAATCAAAAACCAACAGTTGGATTGAGAAAATATAGAAGTCA
CCAAAAGAACTCCAAAACAAGGAAGAACTGAAAACCTTAATCAACGTCTGGCAGAAAATGCTGTGCCAG
AGGGAGGAGCCAGGAGCTTGACCTCTGAGAAAATGGGAACAAGAAAATGCAAGCCTCAAAGAAGAACTGG
ATCACTACAAAAGTGCAGACTTCCACTTTGGTGTCTTCTCTGGAGGCAGAACTTCCGAAAGTTAAACTGCA
GACTCACGTATGGAGCAGGAAAACCTCCTTCTCAAAGATGAACTGGAGAGACTGAAGCAACTGCACAGA
TGTCTGACCTCTGACTTCCAGCAAAAAATGTCTAGCATTCTAAGCTACAATGAAAAGTGTGAAAGG
AAAAAGAAGTTCTGAGTGAAGAGTTAAAGAGCTGTGCAGATAAGCTGGCAGAGTCAAGCCTCTTAGAGCA

CAGAATTGCTACAATGAAGCAGGAGCAGACCGCTGGGAAGAGCAGAGTGAGAGCCTGAAGTCACAGCTG
GCAGTGTGCGCAGGCAAAGGTTTCAGAACTTAGAAGATGTCCTGCAGAAATGTCAACCTTCAGATGGCTGAGA
TTGAATCAGATCTCCAAGTGACTCGACAGGAAAAGGAGGCGCTAAAGCAGGAAGTGATGTCATTACACAG
ACAGCTTCAGAAATGCCATTGATAAAGACTGGGTCTCGAAACAGCTCCCCATCTCTCAGGGCTCCGGGGC
CAGCAGAGAAGGCTGTCTGGGACAACTGGACCATCTGATGAATGAGGAACCACAGCTGCTTTGTCAAG
AAAGCAAGAGACTCCAGACTGTGGTACAGAATACCCAAGCAGATCTCACCACTCCCGGGAGAAGGTCCG
TCAACTGGAATCCAACCTCCTTCCACCAACACCAAAAAACAACCAACCAACCATGTACTGTGAAGTCC
ACAGAACAAGAAAACTGACCTTAAAGAGAGAGTGTGAACAGTCTCAGAAAGAACAATCTCTACCAGCA
GGAAGGTGGGTGAGATGGGTTCCCTTGAGCGAGGATTAGAAACAATCCATTTGAAAAACGAAGGTCTGAA
GAAGAAACAGGTGAGACTGGACGAGAAGCTAATGGAGATGCAGCCCTGAGGTCCACTGTGACGCGTAGC
CCATCCTCTCACTGGGATCTGCAGTTGCTCCAGCAGCAAGCCTGTCCGATGGTGGCCAGGGAGCAGTTTC
TGCAGTTCAACAGCAGCTGCTGCAGGCAGAAAAGAGAAGCCAGCACCTGCAGGAGGAGCTCGAAAAACAG
AACCTCCGAAACCAACACACCACAGGCTTTGCTACTGGAGCAGCGAGCTGTGCATGCAGATTCTGCAGA
AGGATTGGGCACCTTGA

ACGGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-NotI
ACCN:	NM_001286079
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001286079.2</u> , <u>NP_001273008.1</u>
RefSeq Size:	6771 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 (3) lacks an internal exon in the 5' UTR, compared to variant 2. Variants 2 and 3 encode the same isoform 2.