

Product datasheet for **SC310314**

NIPA (ZC3HC1) (NM_016478) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIPA (ZC3HC1) (NM_016478) Human Untagged Clone
Tag:	Tag Free
Symbol:	NIPA
Synonyms:	HSPC216; NIPA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310314 representing NM_016478.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCGCCCTGTGAGGGACAAGCGTTTGCCGTAGGGGTGAAAAGAATTGGGGTGCAGTAGTTCGC
TCCCCAGAAGGACCCCCAGAAAATCCGGCAGCTGATAGATGAGGGGATTGCCCGGAAGAGGGAGGC
GTGGACGCGAAGGACACGTCTGCCACATCCAGTCAGTTAATGGATCACCCCAAGCGGAACAACCTTCA
TTGGAATCTACAAGCAAAGAAGCCTTCTTTAGCAGAGTGGAACATTTTCTTTGAAATGGGCAGGT
AAGCCCTTTGAGCTGTCTCCACTCGTCTGTGCAAAATATGGCTGGGTACAGTGGAATGTGATATGCTC
AAGTGCTCTAGCTGTCAAGCTTTTCTGTGCCAGTTTACAACCAGCTTTTGACTTTGACAGATATAAG
CAACGATGTGCTGAGCTGAAGAAAGCCTTGTGTACTGCCCATGAGAAGTTCTGTTTCTGGCCAGACAGC
CCATCCCCAGACCGATTGGGATGTTGCCCTGGATGAGCCTGCTATTCTTGTAGTGAATTCCTAGAT
CGTTTTCAAAGCCTTTGTCACTTGGACCTCCAGCTTCCTCCCTAAGGCCGGAGGACTTGAAAACATG
TGCTTGACAGAAGACAAGATCAGTCTTCTCCTACACTTGCTTGAAGATGAACTTGATCACCGAAGTATG
GAGAGAAAAACTACAATCAAATAGGCTCAGACATCCAAGTCCACGTCACTGCCTGTATTCTCTCTGTG
TGTGGCTGGGCGTGTAGTTCCTCTTTGGAATCCATGCAGCTCTCCCTGATAACATGTTCCGAATGTATG
AGGAAGGTGGGGCTCTGGGGCTTCCAGCAGATTGAATCGTCCATGACTGACCTGGATGCATCCTTTGGC
CTGACCAGCTCCCAATCCCAGGCCTTGAGGGGCGACCAGAGCGCTTACCTCTGGTGCCTGAATCTCCT
CGGAGGATGATGACCCGGAGCCAGGATGCCACTTTCTCCCGAGCTCAGAGCAGGCTGAAAAGAGCCCT
GGTCCCATTGTCTCTCGAACTCGGAGCTGGGACTTTCAGTCTGTTGACCGTCTGAGCCAGAGGCT
GCTAGCCCCACCACAGAAGTCCGCCAGTGACCCGAAGCATGGGAACAGGAGACACCCCTGGCCTGGAG
GTACCATCTAGCCCTCTGCGGAAAGCCAAGCGAGCTCGCCTCTGCTCCTCCAGCAGTTCCGACACATCT
TCCCGAAGCTTCTTTGATCCCACTCTCAGCATAGAGACTGGTGCCTTGGGTGAATATCACACTTGGC
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GTGCTGACCATCCTCTTGGCGCACAACAGTCTAGCCAGCCAGCTGAAACGGACTCCATGAGTCTCTCT
GAGAAATCAAGGAAAGTATTCCGAATATTTGGCAGTGGGAATCTCTGTGCTCATGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_016478

Insert Size: 1509 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_016478.4</u>
RefSeq Size:	2003 bp
RefSeq ORF:	1509 bp
Locus ID:	51530
UniProt ID:	<u>Q86WB0</u>
Cytogenetics:	7q32.2
Protein Families:	Druggable Genome
MW:	55.3 kDa
Gene Summary:	This gene encodes an F-box-containing protein that is a component of an SCF-type E3 ubiquitin ligase complex that regulates the onset of cell division. The G2/M transition in the cell cycle requires the interaction of the proteins cyclin B1 and cyclin-dependent kinase 1. The activated ubiquitin ligase complex targets the protein cyclin B1 for degradation, preventing this transition to mitosis. [provided by RefSeq, Aug 2013] Transcript Variant: This variant (1) encodes the longest isoform (1).