

Product datasheet for **RC238482**

NIPA (ZC3HC1) (NM_001282190) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIPA (ZC3HC1) (NM_001282190) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NIPA
Synonyms:	HSPC216; NIPA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238482 representing NM_001282190
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAGGGGATTGCCCCGGAAGAGGGAGGCGTGGACGCAACCACACCCGCTTGAGGCTCTCTATGAATCTC
 TGAGAGTCTTAGAGAAGGACACGTCTGCCACATCCCAGTCAGTTAATGGATCACCCCAAGCGGAACAACC
 TTCATTGGAATCTACAAGCAAAGAAGCCTTCTTTAGCAGAGTGGAACATTTTCTTTGAAATGGGCA
 GGTAAGCCCTTTGAGCTGTCTCCACTCGTCTGTGCAAAATATGGCTGGGTACAGTGGAATGTGATATGC
 TCAAGTGTCTAGCTGTCAAGCTTTTCTGTGCCAGTTTACAACCAGCTTTTGACTTTGACAGATATAA
 GCAACGATGTGCTGAGCTGAAGAAAGCCTTGTGTACTGCCATGAGAAGTTCTGTTTCTGCCAGACAGC
 CCATCCCAGACCGATTGGGATGTTGCCCTGGATGAGCCTGCTATTCTTGTAGTGAATTCCTAGATC
 GTTTTCAAAGCCTTTGCACTTGGACCTCCAGCTTCTTCCCTAAGGCCGGAGGACTTGAAAATATGTG
 CTTGACAGAAGACAAGATCAGTCTTCTCTACACTTGCTTGAAGATGAAGTTGATCACCGAACTGATGAG
 AGAAAACTACAATCAAATTAGGCTCAGACATCCAAGTCCACGCTACTGCCTGTATTCTCTCTGTGTGTG
 GCTGGGCGTGTAGTTCCTCTTTGGAATCCATGCAGCTCTCCCTGATAACATGTTGCAATGTATAGGAA
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 AGCTCCCCAATCCCAGGCCTTGAGGGGCGACAGAGCGCTTACCTCTGGTGCCTGAATCTCCTCGGAGGA
 TGATGACCCGGAGCCAGGATGCCACTTTCTCCCAGGCTCAGAGCAGGCTGAAAAGAGCCCTGGTCCCAT
 TGTCTCTCGAACTCGGAGCTGGGACTCTCCAGTCTGTTGACCGTCTGAGCCAGAGGCTGCTAGCCCC
 ACCACCAGAACTCGCCAGTGACCCGAAGCATGGGAACAGGAGACACCCCTGGCCTGGAGGTACCATCTA
 GCCCTCTGCGGAAAGCCAAGCGAGCTCGCCTCTGCTCTCCAGCAGTTTCGGACACATCTTCCGAAGCTT
 CTTTGATCCCACCTCTCAGCATAGAGACTGGTGCCCTTGGGTGAATATCACACTTGGCAAAGAAAGCAGG
 GAGAATGGTGGAAGTGAACCAGATGCCAGCGCCCCAGCAGAGCCAGGCTGGAAGCAGTGTGACCATCC
 TCTTGGCGCACAAACAGTCTAGCCAGCCAGCTGAAACGGACTCCATGAGTCTCTCTGAGAAATCAAGGAA
 AGTATCCGAATATTTCCGCACTGGGAATCTCTGTGCTCATGC

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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

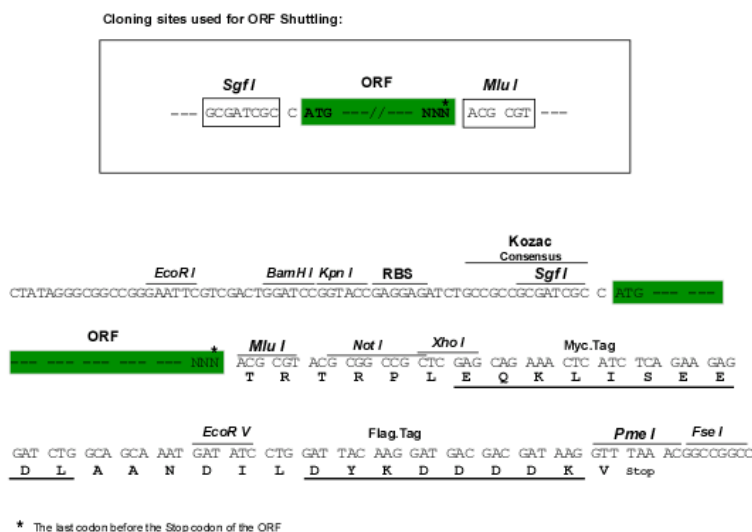
>RC238482 representing NM_001282190
 Red=Cloning site Green=Tags(s)

MRGLPRKREAWTQPHPLEALYESLRVLEKDTSATSSQSVNGSPQAEQPSLESTSKAEFFSRVETFSSLKWA
 GKPFELSPLVCAKYGWVTECDMLKCSSQAFLCASLQPAFDQRYKQRCALKKALCTAHEKFCFWPDS
 PSPDRFGMLPLDEPAILVSEFLDRFQSLCHLDLQLPSLRPEDLKTMCLETDKISLLLHLEDELHRTDE
 RKTTIKLGSIDIQVHTACILSVCGWACSSLESMLSLITCSQCMRKVGLWGFQQIESSMTDLDAFGLT
 SSPIPGLEGRPERLPLVPESPRMMTRSQDATFSPGSEQAEKSPGPIVSRTRSWDSSSPVDRPEPEAASP
 TTRTRPVTRSMGTGDTGLEVPSSPLRKAKRARLCSSSSSDTSSRSFFDPTSQHRDWCPVWNITLGKESR
 ENGGTEPDASAPAEPGWKAVALTILLAHKQSSQPAETDSMSLSEKSRKVFRIFRQWESLCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001282190

ORF Size: 1443 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001282190.1](#), [NP_001269119.1](#)

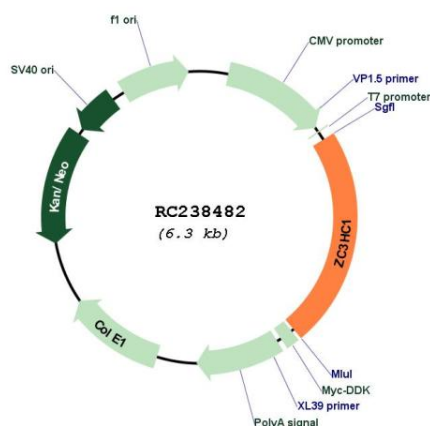
RefSeq Size: 2049 bp

RefSeq ORF: 1446 bp

Locus ID: 51530

UniProt ID:	<u>Q86WB0</u>
Cytogenetics:	7q32.2
Protein Families:	Druggable Genome
MW:	54 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]

Product images:



Circular map for RC238482