

Product datasheet for **MR208050**

Zc3hc1 (BC050141) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zc3hc1 (BC050141) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zc3hc1
Synonyms:	1110054L24Rik; AU018540; AU019789; HSPC216; Nipa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208050 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCTACCACTGAGGGCCGCTGTTTGTGCGAGTATTGAAAAGACTTGGGGTTCAGTCGTTTCGTT
 CCCCTGAAGGGACACCCAGAAAGTTCCGGAGCTGATAGATGAAGGAATTGTCCCGAAGAGGGAGGCAC
 AGAACCAAGGACACAGCTGCCACATTCAGTCAGTTGATGGATCGCCTCAAGCAGAACAGTCTCCATTG
 GAATCCACAAGCAAGAAGCCTTCTTTACAGAGTGGAAACCTTTTCTTTTGAAGTGGCAGGGGAAGC
 CCCCTGAGCTGTCTCACTTATCTGCGCTAAATATGGTTGGGTACAGTTGAATGTGACATGCTCAAGTG
 CTCAGCTGCCAGGCTTCTCTGTGCCAGCCTGCAGCCACGTTTGACTTTGGCAGATAAAGGAGCGA
 TGTGCTGAGCTCAAGAAATCCTGTGCAGTGCCCATGAGAAGTTCTGTTTTGGCCAGACAGCCATCTC
 CAGATAGATTTGGGATGTTGCCATTGGGTGAGCCTGCTGTTCTCATCAGTGAGTTCCTGGACCGTTTCA
 AAGCCTTTGCCATTTGGACCTCCAACCTTCTTCTGAGGCCAGAGGACTTGAAAATATGTGCTTGACA
 GAAGACCGGGTCACTGACCTGCTGCACCTGCTGGAGGATGAGCTTGATTTCCACGCCGATGACAGGAAAA
 CTAACAAGCAAGTTAGGCTCCGACGTCCTCAAGTCCAGCCACTGCGTGTGTTCTCTCTGTGCGGGTGGG
 GTGTAGTTCCTTGAACCTACTCAGCTCTCCCTGATAACATGTTACCAGTGTATGAGGAAGTCCGGTCTC
 TGGGGCTTTCAGCAGATTGAATCATCCATGACAGATCTGGAGGCTTCTTTGGCCTGACCAGTCCCCGA
 TTCCGGGTGTGGAGGGCCGGCTGAACACTTCCCTCTGGTGCCTGAATCCCCTAGCGGATGATGACCCG
 AAGCCAGGATGCTACAGTTTCTCCAGGCTCTGAGCAGTCTGAAAAAGTCTGGTCTTATGTTTCCCGA
 ACCCGGAGTTGGGAGTCTTCCAGTCTGTTGACCGCCTGAGCTAGAGGCAGCCAGTCTACTACCAGGA
 GCCGCCAGTGACCCGAAGCATGGGAACAGGAGATTCTGCTGGCGTGAAGTTCCTCGAGCCCTCCG
 GAGAACCAAGCGAGCTCGCCTCTGCTTCCAGCAGCTCTGACACCTCTCCCGAAGCTTCTTTGATCCC
 ACCTCTCAGCATAGAGACTGGTGCCCGTGGGTGAATATCACACTCGTCAAAGAAACCAAGGAGAATGGGG
 AAACAGAAGTGGATGCCTGTACCCAGCAGAGCCAGGTTGGAAGGCAGTGTGACCATCCTGTTGGCCCA
 CAAGCGTTCTAACAGCCAGCTGAGACAGACTCCATGAGTCTCTGAAAAATCAAGGAAAGTGTCCGA
 ATATCCGGCAGTGGGAGTCTTCATCCTCATCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208050 protein sequence
 Red=Cloning site Green=Tags(s)

MAATSEGPLFAASIEKTWGSVVRSPGTPQKQVRELIIDEGIVPEEGTEPKDTAATFQSVDSQPQAEQSPL
 ESTSKEAFFHRVETFFSLKWAGKPELSPILICAKYGVTVVECDMLKCSSCQAFLCASLQPTDFGRYKER
 CAELKKSLCSAHEKFCFWPSPDRFGMLPLGEPAVLISEFLDRFQSLCHLDLQLPSLRPEDLKTMCCLT
 EDVAVSALLHLLLEDELDFHADDRKTTSKLGSVDVQVQATACVLSLGCWACSSLEPTQLSLITCYQCMRKVGL
 WGFQQIESSMTDLEASFGLTSSPIPGVEGRPEHFPLVPESPRRMMTRSQDATVSPGSEQSEKSPGPVSR
 TRSWESSPVDRPELEAASPTTRSVPVTRSMGTGDSAGVEVPSSPLRRTKRARLCSSSSDTSPRSFFDP
 TSQHRDWCPWVNITLVKETKENGETEVDACTPAEPGWKAVLTILLAHKRSNQP AETDSMSLSEKSRKVF
 IFRWESSSSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC050141

ORF Size: 1503 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.

RefSeq: [BC050141](#), [AAH50141](#)

RefSeq Size: 1819 bp

RefSeq ORF: 1505 bp

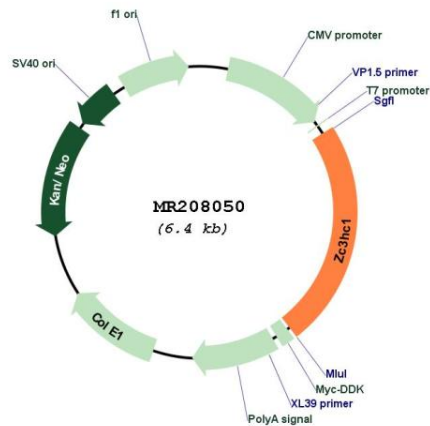
Locus ID: 232679

Cytogenetics: 6 A3.3

MW: 55.2 kDa

Gene Summary:

Essential component of a SCF-type E3 ligase complex, SCF(NIPA), a complex that controls mitotic entry by mediating ubiquitination and subsequent degradation of cyclin B1 (CCNB1). Its cell-cycle-dependent phosphorylation regulates the assembly of the SCF(NIPA) complex, restricting CCNB1 ubiquitination activity to interphase. Its inactivation results in nuclear accumulation of CCNB1 in interphase and premature mitotic entry (By similarity). Overexpression may be able to protect from apoptosis induced by IL-3 withdrawal. [UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MR208050