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Product datasheet for MC216723

Zc3hc1 (NM_172735) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zc3hc1 (NM_172735) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zc3hc1
Synonyms:	1110054L24Rik; AU018540; AU019789; HSPC216; Nipa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC216723 representing NM_172735
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCTACCAGTGAGGGGCCGCTGTTTGCTGCGAGTATTGAAAAGACTTGGGGTTCAGTCGTTCGTT
CCCCTGAAGGGACACCCCAGAAAGTTCGGGAGCTGATAGATGAAGGAATTGTCCCGGAAGAGGGAGGCAC
AGAACCAAAGGACACAGCTGCCACATTCCAGTCAGTTGATGGATCGCCTCAAGCAGAACAGTCTCCATTG
GAATCCACAAGCAAAGAAGCCTTCTTTCACAGAGTGGAAACCTTTTCTTCTTTGAAGTGGGCAGGGAAGC
CCCCTGAGCTGTCTCCACTTATCTGCGCTAAATATGGTTGGGTCACAGTTGAATGTGACATGCTCAAGTG
CTCCAGCTGCCAGGCTTTCCTCTGTGCCAGCCTGCAGCCCACGTTTGACTTTGGCAGATATAAGGAGCGA
TGTGCTGAGCTCAAGAAATCCTTGTGCAGTGCCCATGAGAAGTTCTGTTTTTGGCCAGACAGCCCCTCTC
CAGATAGATTTGGGATGTTGCCATTGGGTGAGCCTGCTGTTCTCATCAGTGAGTTCCTGGACCGGTTTCA
AAGCCTTTGCCATTTGGACCTCCAACTTCCTTCTCTGAGGCCAGAGGACTTGAAAACTATGTGCTTGACA
GAAGACGCGGTCAGTGCCCTGCTGCACCTGCTGGAGGATGAGCTTGATTTCCACGCCGATGACAGGAAAA
CTACAAGCAAGTTAGGCTCCGACGTCCAAGTCCAAGCCACTGCGTGTGTTCTCTCTCTGTGCGGCTGGGC
GTGTAGTTCCTTGGAACCTACTCAGCTCTCCCTGATAACATGTTACCAGTGTATGAGGAAGGTCGGTCTC
TGGGGCTTTCAGCAGATTGAATCATCCATGACAGATCTGGAGGCTTCCTTTGGCCTGACCAGCTCCCCGA
TTCCAGGTGTGGAGGGCCGGCCTGAACACTTCCCTCTGGTGCCTGAATCCCCTAGGCGGATGATGACCCG
AAGCCAGGATGCTACAGTTTCTCCAGGCTCTGAGCAGTCTGAAAAAAGTCCTGGTCCTATTGTTTCCCGA
ACCCGGAGTTGGGAGTCTTCCAGTCCTGTTGACCGGCCTGAGCTAGAGGCAGCCAGTCCTACTACCAGGA
GCCGCCCAGTGACCCGAAGCATGGGAACAGGAGATTCTGCTGGCGTGGAAGTTCCCTCGAGCCCTCTCCG
GAGAACCAAGCGAGCTCGCCTCTGCTCTTCCAGCAGCTCTGACACCTCTCCCCGAAGCTTCTTTGATCCC
ACCTCTCAGCATAGAGATTGGTGCCCGTGGGTGAATATCACACTCGTCAAAGAAACCAAGGAGAATGGGG
AAACAGAAGTGGATGCCTGTACCCCAGCAGAGCCAGGTTGGAAGGCAGTGTTGACCATCCTGTTGGCCCA
CAAGCGTTCTAACCAGCCAGCTGAGACAGACTCCATGCTGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172735

Insert Size: 1446 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).

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:	NM_172735.2, NP_766323.1
RefSeq Size:	1847 bp
RefSeq ORF:	1446 bp
Locus ID:	232679
UniProt ID:	Q80YV2
Cytogenetics:	6 A3.3
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] Transcript Variant: This variant (2) contains an alternate exon in the 3' coding region, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.