

## Product datasheet for RC230630

### MIB2 (NM\_001170687) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MIB2 (NM_001170687) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MIB2
Synonyms:	ZZANK1; ZZZ5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC230630 representing NM_001170687 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGGGGCGCTCCGGCGGGGGCGGGCCCTGGGCTCCCGCCCTTCGGGTCCCACAGTTTCCAGCCGCC  
GCTCTCCTCAGTGCCCGGTGGCCAGGAGGGCTGGGAGCCCGAAGCCGTCGCCGAGTCGCTCCTAGGTC  
ACTGGCGCGATGCGGGCCGCTCTCGGCTGATGGTTGGAAGCCAGCGAGGCTAGAGGCCAGTCCCAA  
AGTTTCCAGGCATCAGGGCTGCAGCCCAGGAGCCCTCAAGGCGGCCGGCGGGGCGACTGGACGGCCGGACA  
GGTCCCGAGCAGCCCCGCCAACATGGACCCAGACCCCGAGGCGGGCGTGCAGGTGGCATGCGGGTGGT  
GCGCGGGCTGGACTGGAAGTGGGGCCAGCAGGACGGCGGGGAGGGCGGCTGGGCACGGTGGTGGAGCTT  
GGCCGCCACGGCAGCCCTCGACACCCGACCGCACAGTGGTCTGTCAGTGGGACAGGGCACGGCACCA  
ACTACCGCGCCGGCTACCAGGGCGCGCACGACCTGCTGCTGTACGACAACGCCAGATCGGGCTCCGGCA  
CCCCAACATCATCTGTGACTGCTGCAAGAAGCAGGGCTGCGGGGGATGCGCTGGAAGTGCCGTGTGTGC  
CTGGACTACGACCTTGCACGCAGTGTACATGCACAACAAGCATGAGCTCGCCACGCCTTCGACCGCT  
ACGAGACCGCTCACTCGCGCCCTGTCACACTGAGTCCCCGCCAGGGCCTCCCGAGGATCCCACTAAGGGG  
CATCTTCCAGGGAGCGAAGGTGGTGGCAGGCCCCGACTGGGAGTGGGGCTCACAGGATGGAGGGGAAGGG  
AAACCGGGCCGTGTGGTGGACATCCGTGGCTGGGATGTGGAGACAGGCCGGAGTGGCCAGCGTGACCT  
GGGCTGATGGTACCACCAATGTGTACCGTGTGGGCCACAAGGGCAAGGTGGACCTCAAGTGTGGGGCGA  
GGCAGCGGGCGGCTTCTACTACAAGGACCCTCCCAAGGCTCGGCAAGCCGGCGGAGCTGCAGCGCAGG  
GTGAGTGTGACAGCCAGCCCTCCAGCACGGGACAAGGTCAAGTGTCTGCTGGACACTGATGTCTGC  
GGGAGATGCAGGAAGGCCACGGCGGCTGGAACCCAGGATGGCGGAGTTTATCGGACAGACGGGCACCGT  
GCATCGTATCACGGACCGGGGACGTGCGCGTGCAGTTCAACCACGAGACGCGCTGGACCTTCCACCCC  
GGGGCGCTACCAAGCACCCTCTTCTGGTGGGCGACGTGGTCCGGGTATCGGCGACCTTGACACAG  
TGAAGCGGCTGCAGGCTGGGCATGGCGAGTGGACGGACGACATGGCCCTGCCCTGGGCCGCGTGGGAA  
GGTGGTAAAGTGTGGAGACGGGAACCTGCGTGTAGCAGTCTGCTGGTACGCGTGGACCTTACGCCCC



[View online »](#)

TCCTGCCTGGTGGCCTACCGGCCGAGGAGGATGCCAACCTGGACGTGGCCGAGCGGCCCGGGAGAACA  
 AAAGCTACTGAGCGTGGCCCTGGACAAGCTTCGGGCCAGAAAGAGTGACCCAGAGCACCCGGGAAGGCT  
 GGTGGTGGAGGTGGCGCTGGTAACGCAGCCCGGGCTCTGGACCTGCTGCGGAGGCGCCAGAGCAGGTG  
 GACACCAAGAACCAAGGCAGGACCGCTCTGCAAGTGGCTGCTACCTGGCCAGGTGGAGTTGATACGGC  
 TGCTGTACAAGCCAGGGCGGGCGTGGACCTGCCGACGACGAGGGCAACACGGCACTGCACTACGCGGC  
 CCTGGGAACAGCCGAGGCCACCAGGTGCTCCTGAGTGTGGGTGCCGGGCGGACGCCATCAACAGC  
 ACCCAGAGCACAGCACTGCACGTGGCCGTGCAGAGGGGTTCTTGAGGTGGTGGGGCCCTGTGTGAGC  
 GCGGCTGTGACGTCAACCTGCCGACGCCCACTCGGACACGCCCTGCACTCCGCCATCTCGGCGGGCAC  
 TGGAGCCAGCGGATTGTCGAGGTCTCACGGAGGTGCCAACATCGATGTTACCGCCACCAACAGCCAG  
 GGTTCACCTGCTGCACCATGCCTCCCTCAAGGGTACGCGCTAGCTGTGAGAAAGATTCTGGCTCGGG  
 CGCGGCAGCTGGTGGACGCCAAGAAGGAGGACGGCTTACGGCGTGCATCTGGTGCCTCAACAACCA  
 CCGCGAGGTGGCCAGATCCTCATCCGGGAGGGCCGCTGTGACGTGAACGTGCGCAACCGGAAGCTGCAG  
 TCCCCGCTGCATCTCGCGTGAACAGGCCACGTGGGGTGGTGGCGCTACTGGTGACGCTGGGTGCA  
 GTGTCAACGCCGAGGACGAGGAGGGGACACAGCCCTGCACGTGGCGCTGCAGCGTCATCAGCTGCTGCC  
 CCTGGTGGCTGATGGGGCCGGGGGGACCCAGGCCCTTGACGTGCTGTCCAGGCTACAGGCCCTCGGGC  
 CTCGCCGACGCGGAGCTGACGGTGGCGCGCGGTCGCTGCTTCTGGCGTGGAGGGCGCCGACG  
 TGAGTACACCAACCACCGCGTGGAGCCCGCTGGACCTGGCCGCCGAGGGTCGCGTGTCAAGGCCCT  
 TCAGGGTGCGCCAGCGCTTCCGGGAGCGGACGGCGGGCGGGGCGCGGCCCGGGCCAGGCAAACG  
 CTCGGGACCCCAACACCGTGCAGAACCTGCACGTGGGCGCCGCGCGGGGCCGAGGCCGCTGAGTGCC  
 TGGTGTGCTCCGAGTGGCGTGTGGTGTCTTCTCGCCGTGCCAGCACCGCACCGTGTGTGAGGAGTG  
 CGCGCGCAGGATGAAGAAGTGCATCAGGTGCCAGGTGGTGTGTCAGCAAGAACTGCGCCAGACGGCTCT  
 GAGGTGGCGAGCGCCGCCCGCCCGCCCGCCGCGCCAGCTGGTGGAGGAGCTGCAGAGCCGCTACC  
 GGCAGATGGAGGAACGCATCACCTGCCCCATCTGCATCGACAGCCACATCCGCCTCGTGTCCAGTGGC  
 CCACGGCGCATGCGCCCTCGCGCTCCGCGCTCAGCGCTGCCCATCTGCCCGCAGCCATCCGCGAC  
 CGCATCCAGATCTTCGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230630 representing NM\_001170687  
 Red=Cloning site Green=Tags(s)

MAGALRRGRALGSRPSGPTVSSRRSPQCPVAQEGLGARSRPVAPRSLARCGPSSRLMGWKPSEARGQSQ  
 SFQASGLQPRSLKAARRATGRPDRSRAAPPNMDPDQAGVQVGMRVVVRGVDWKWQDGGEGGVGTVVEL  
 GRHGSPSPDRTVVVQWDQGRTRNYRAGYQGAHDL LLYDNAQIGVRHPNII CDCKKHGLRGMRWKCRVC  
 LDYDLCTQCYMHNKHEL AHAFDRYETAHSRPVTLSPRQGLPRIPLRGIFQAKVVRGPDWEWSQDGGEG  
 KPGRVVDIRGWDVETGRSVASVTWADGTTNVYRVGHKGKVDLKC VGEAAGGFYKDHLPRLGKPAELQRR  
 VSADSQPFQHGDKVKCLLDTDVLRMQEGHGGWNPMAEF IGQTGTVHRI TDRGDVVRVQFNHETRWTFHP  
 GALTKHHSFVWGDVVRVIGDLDTVKRLQAGHGEWTDMPALGRVGVVVFVGDGNLRVAVAGQRWTFSP  
 SCLVAYRPEEDANL DVAERARENKSSLSVALDKLRAQKSDPEHPGRLVVEVALGNAARALDLLRRRPEQV  
 DTKNQGRALQVAAYLGQVELIRLLLQARAGVDLPDDEGNTALHYAALGNQPEATRVL LLSAGCRADAINS  
 TQSTALHVAVQRGFLEVVRLCERGC DVNLPDAHSDTPLHSAISAGTGASGIVEVLTEVPNIDVTATNSQ  
 GFTLLHSHASLKGHALAVRKILARARQLVDAKKEDGFTALHLAALNNHREVAQILIREGRCDVNVNRK LQ  
 SPLHLAVQQAHVGLVPLLVDAGCSVNAEDEEGDTALHVALQRHQLPLVADGAGGDPGQLQLSRLQASG  
 LPGSAELTVGAAVACFLALEGADVSYTNHRGRSPLDLAAEGRVLKALQGCAQRFRE RQAGGGAAPGPRQT  
 LGTPNTVTNLHVGAAPGPEAAECLVCELALLVLFSPCQHRTVCEECARRMKKCI RCQVVVSKKLRPDGS  
 EVASAAPAGPPRQLVEELQSRYRQMEERITCPICIDSHIRLVFQCGHGACAPCGSALSACPICRQPIRD  
 RIQIFV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001170687

**ORF Size:** 3168 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:** [NM\\_001170687.1](#), [NP\\_001164158.1](#)

**RefSeq ORF:** 2868 bp

**Locus ID:** 142678

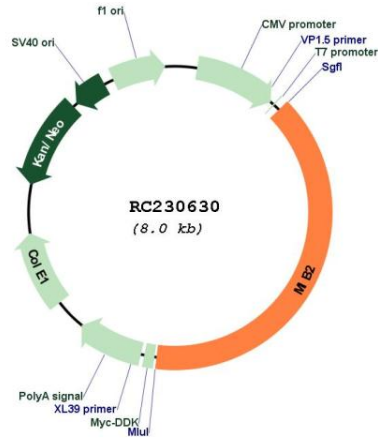
**UniProt ID:** [Q96AX9](#)

**Cytogenetics:** 1p36.33

MW: 114.8 kDa

Gene Summary: The protein encoded by this gene is an E3 ubiquitin protein ligase that mediates ubiquitination of proteins in the Notch signaling pathway. The encoded protein may be a suppressor of melanoma invasion. [provided by RefSeq, Mar 2017]

Product images:



Circular map for RC230630