

Product datasheet for **RC230614**

MIB2 (NM_001170688) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MIB2 (NM_001170688) 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: >RC230614 representing NM_001170688
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGGGCGCTCCGGCGGGGGCGGGCCCTGGGCTCCCGCCCTTCGGGTCCCACAGTTTCCAGCCGCC
GCTCTCTCAGTGCCCGGTGGCCAGGAGGGCTGGGAGCCCGAAGCCGTCGCCGAGTGCCTCTAGGTC
ACTGGCGCGATGCGGGCCGCTCTCGGCTGATGGTTGGAAGCCAGCGAGGCTAGAGGCCAGTCCCAA
AGTTTCCAGGCATCAGGGCTGCAGCCCAGGAGCCTCAAGGCGGCCGGCGGGCGACTGGACGGCCGACA
GGTCCCGAGCAGCCGGCCACCATGGACCCTCTGCCACAGGTCCCGAGCAGCCCGCCAACATGGA
CCCAGACCCCGAGCGGGCGTGCAGGTGGCATGCGGGTGGTGCAGCGGCTGGACTGGAAGTGGGGCCAG
CAGGACGGCGGGAGGGCGGCGTGGGCACGGTGGTGGAGCTTGGCCGCCACGGCAGCCCTCGACACCCG
ACCGCACAGTGGTTCGTGACAGTGGGACCAGGGCACGCGCACCAACTACCGCGCCGGCTACCAGGGCGCGCA
CGACCTGCTGCTGACGACAACGCCAGATCGGCGTCCGGCACCCCAACATCATCTGTGACTGCTGCAAG
AAGCAGGGGTGCGGGGATGCGCTGGAAGTGCCGTGTGTGCCTGGACTACGACCTTGCACGCAGTGTCT
ACATGCACAACAAGCATGAGCTCGCCACGCCTTCGACCGCTACGAGACCGCTACTCGCGCCCTGTCAC
ACTGAGTCCCCGCCAGGGCCCTCCCGAGGATCCCACTAAGGGGCATCTTCCAGGGAGCGAAGTGGTGCGA
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AGCACCCTCTTCTGGGTGGGCGACGTGGTCCGGGTATCGGCGACCTTGCACAGTGAAGCGGCTGCA
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CCTACCGCCCGAGGAGGATGCCAACCTGGACGTGGCCGAGCGCCCGGGAACAAAAGCTCACTGAG
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GCGCTGGGTAACGCAGCCCGGGCTCTGGACCTGCTGCGGAGGCGCCCAGAGCAGGTGGACACCAAGAACC
 AAGGCAGGACCGCTCTGCAAGTGGCTGCCTACCTGGGCCAGGTGGAGTTGATACGGCTGCTGCTACAAGC
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 GGACGCCAAGAAGGAGGACGGCTTACGCGCTGCATCTGGTGCCTCAACAACCACCGGAGGTGGCC
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 CCGCCCCCGCCCCGCGCCGCGCCAGCTGGTGGAGGAGTGCAGAGCCGCTACCGGCAGATGGAGGA
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 GCCCCGCGGCTCCGCGCTCAGCGCTGCCCATCTGCCGCCAGCCATCCGCGACCGCATCCAGATCT
 TCGTG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RC230614 representing NM_001170688
 Red=Cloning site Green=Tags(s)

MAGALRRGRALGSRPSGPTVSSRRSPQCPVAQEGLGARSRPRVAPRSLARCGPSSRLMGWKPSEARGQSQ
 SFQASGLQPRSLKAARRATGRPDRSRAARPTMDPSAHRSSRAAPPNMDPDPQAGVQVGMRVVRGVDWKWGQ
 QDGGEGGVGTVVELGRHGPSSTPDRTPVVVQWDQGTTRTNRYAGYQGAHDLLEYDQAQIGVRHPNIIICDCK
 KHGLRGMRWKCRVCLDYDLCTQCYMHNKHELAFDRYETAHSRPVTLSPRQGLPRIPLRGIFQGAKVVR
 GPDWEWGSQDGKPAELQRRVSADSQPFQHGDKVKCLLDTDLVREMQEGHGGWNPRMAEFIGQTGTVHRIT
 DRGDVVRVQFNHETRWTFHPGALTKHHSFWGDVVRVIGDLDTVKRLQAGHGEWTDMPALGRVGKVVV
 FGDGNLRVAVAGQRWTFSPSCLVAYRPEEDANLDAERARENKSSLVALDKLRAQKSDPEHPGRLVVEV
 ALGNAARALDLLRRRPEQVDTKNQGRALQVAAYLQVLEIRLLQARAGVDLPDDEGNTALHYAALGNQ
 PEATRVLLSAGCRADAINSTQSTALHVAVQRGFLEVVRALCERGCVDNLPDAHSOTPLHSAISAGTGASG
 IVEVLTEVPNIDVTATNSQGFLLHHAASLKGHALAVRKILARARQLVDAKKEDGFTALHLAALNNHREVA
 QILIREGRCDVNVNRNKLQSPLHLAVQQAHVGLVPLLVDAGCSVNAEDEEGDTALHVALQRHQLLPLVAD
 GAGGDPGPLQLLSRLQASGLPGSAELTVGAACVFLALEGADVSYTNHRGRSPLDLAAEGRVLKALQGCA
 QRFRRERQAGGGAAPGPRQTLGTPNTVTNLHVGAAPGPEAAECLVCESELALLVLFSPCQHRTVCEECARRM
 KKCIRCQVVVSKLRLPDGSEVASAAPAGPPRQLVEELQSRVYRQMEERITCPICIDSHIRLVFQCGHGAC
 APCGSALSACPICRQPIRDRIQIFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001170688

ORF Size: 3015 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_001170688.1](#), [NP_001164159.1](#)

RefSeq ORF: 2673 bp

Locus ID: 142678

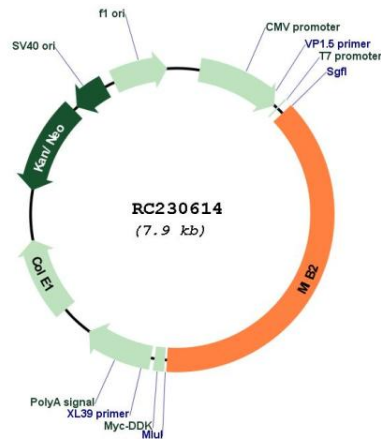
UniProt ID: [Q96AX9](#)

Cytogenetics: 1p36.33

MW: 109.3 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 RC230614