

Product datasheet for RC217923

MIB2 (NM_080875) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIB2 (NM_080875) 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:	>RC217923 representing NM_080875 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTTGGAAGCCAGCGAGGCTAGAGGCCAGTCCCAAAGTTTCCAGGCATCAGGGCTGCAGCCCAGGA
GCCTCAAGGCGGCCGCGGGGCGACTGGACGGCCGACAGGTCCCAGCAGCCCGGCCACCACGGACCC
CTCTGCCACAGGTCCCAGCAGCCCGCCCAACATGGACCCAGACCCAGCGGGCGTGCAGGTGGC
ATGCGGGTGGTGCAGCGGCTGGACTGGAAGTGGGCGCAGCAGGACGGCGGCGAGGGCGCGTGGGCACGG
TGGTGGAGCTTGGCCGCACGGCAGCCCTCGACACCCGACCGCACAGTGGTCTGTCAGTGGACCAGGG
CAGCGCACCAACTACCGCGCCGCTACCAGGGCGCGCAGCAGCTGCTGCTGTACGACAACGCCAGATC
GGCGTCCGGCACCCCAACATCATCTGTGACTGCTGCAAGAAGCACGGGCTGCGGGGATGCGCTGGAAGT
GCCGTGTGTGCCTGGACTACGACCTCTGCACGCAGTGTACATGCACAACAAGCATGAGCTCGCCCACGC
CTTCGACCGCTACGAGACCGCTCACTCGCGCCCTGTCACACTGAGTCCCCGCCAGGGCCTCCCGAGGATC
CCACTAAGGGGCATTTTCCAGGGAGCGAAGGTGGTGGCAGGCCCGACTGGGAGTGGGGCTCACAGGATG
GAGGGGAAGGAAACCGGGCCGTGGTGGACATCCGTGGCTGGGATGTGGAGACAGGCCGAGTGTGGC
CAGCGTGACGTGGGCTGATGGTACCACCAATGTGTACCGTGTGGCCACAAGGGCAAGGTGGACCTCAAG
TGTGTGGCGAGGCAGCGGGCGGCTTCTACTACAAGACCACCTCCCAAGGCTCGGCAAGCCGGCGGAGC
TGACGCGCAGGGTGAAGTGTGACAGCCAGCCCTTCCAGCAGGGGACAAGGTCAAGTGTCTGCTGGACAC
TGATGTCTGCGGAGATGCAGGAAGGCCACGGCGGCTGGAACCCAGGATGGCGGAGTTTATCGGACAG
ACGGGCACCGTGCATCGTACACGGACCGGGGACGTGCGCGTGCAGTTCAACCACGAGACGCGTGGA
CCTTCCACCCCGGGCGCTCACCAAGCACCCTCTTCTGGGTGGGCGACGTGGTCCGGGTATCGGCGA
CCTTGACACAGTGAAGCGGCTGCAGGCTGGCATGGCAGTGGACGGACGACATGGCCCCTGCCCTGGGC
CGCGTCCGGAAGGTGGTAAAGTGTGGAGACGGGAACCTGCGTGTAGCAGTGTGGTGGTGGTGGG
CCTTACGCCCCTCTGCCTGGTGGCCTACCGGCCGAGGAGGATGCCAACCTGGACGTGGCCGAGCGCGC
CCGGGAGAACAAAGCTCACTGAGCGTGGCCCTGGACAAGCTTCGGGCCAGAAGAGTACCAGAGCAC



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CCGGAAGGCTGGTGGTGGAGGTGGCGCTGGGTAAACGCAGCCCGGCTCTGGACCTGCTGCGGAGGCGCC
 CAGAGCAGGTGGACACCAAGAACCAAGGCAGGACCGCTCTGCAAGTGGCTGCCTACCTGGGCCAGGTGGA
 GTTGATACGGTCTGCTACAAGCCAGGGCGGGCTGGACCTGCCGGACGACGAGGGCAACACGGCACTG
 CACTACGCGGCCCTGGGAACAGCCGAGGCCACCAGGGTGTCTCTGAGTGTGGTGCCGGGCGGACG
 CCATCAACAGCACCCAGAGCACAGCACTGCACGTGGCCGTGCAGAGGGGCTTCTGGAGGTGGTGGGGC
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 CCAACAGCCAGGGTTTACCCCTGCTGCACCATGCCTCCCTCAAGGTCACGCGCTAGCTGTGAGAAAGAT
 TCTGGCTCGGGCGCGCAGCTGGTGGACGCCAAGAAGGAGGACGGCTTACGCGCTGCATCTGGCTGCC
 CTCAACAACCACCGGAGGTGGCCAGATCCTCATCCGGGAGGGCCGCTGTGACGTGAACGTGCGCAACC
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 AGGCTCGGGCTCCCGGACGCGGAGCTGACGGTGGGCGCGGGTGCCTGCTTCTGGCGTGA
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 CCAGGCAACCGCTCGGGACCCCAACACCGTGACGAACCTGCACGTGGGCGCCGCGGGGGCCGAGGC
 CGCTGAGTGCCTGGTGTCTCCGAGTGGCGTGTGGTGTCTCGCCGTGCCAGCACCGCACCGTGT
 TGTGAGGAGTGCAGCGCAGGATGAAGAAGTGCATCAGGTGCCAGGTGGTGTGTCAGCAAGAACTGCGCC
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 GAGCCGCTACCGGAGATGGAGGAACGCATCACCTGCCCCATCTGCATCGACAGCCACATCCGCCTGTG
 TTCCAGTGGGCCACGGCGCATGCGCCCTGCGGCTCCGCGCTCAGCGCTGCCCATCTGCCGCCAGC
 CCATCCGCGACCGCATCCAGATCTTCGTG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RC217923 representing NM_080875
 Red=Cloning site Green=Tags(s)

MGWKPEARGQSQSFQASGLQPRSLKAARRATGRPDRSRAARPTTDP SAHRSRAAPPNMDPDPQAGVQVG
 MRVVRGVDWKWGQDGGEGGVGTVELGRHGSPSTPDRTVVQWQDQTRTNRYAGYQGAHLLLLYDNAQI
 GVRHPNII CDCKKHGLRGMRWKCRVCLDYDLCTQCYMHNKHEL AHAFDRYETAHSRPVTLSPRQGLPRI
 PLRGIFQGAQVVRGPDWEWGSQDGGEGKPGRVVDIRGWDVETGRSVASVTWADGTTNVYRVGHKGVLDL
 CVGEAAGGFYKDHLPRLGKPAELQRRVSADSQPFQHGDKVKCLLDLTDVLRMQEGHGGWNPRMAEF IGQ
 TGTVHRI TDRGDVRVQFNHETRWTFHPGAL TKHHSFVWGDVVRVIGDLDTVKRLQAGHGEWTDMPALG
 RVGKVVVFVGDGDLRVAVAGQRWTFSPSCLVAYRPEEDANLDVAERARENKSSL SVALDKLRAQKSDPEH
 PGRLVVEVALGNAARALDLLRRRPEQVDTKNQGRALQVAAYLQQVELIRLLLQARAGVDLPDDEGNTAL
 HYAALGNQPEATRVL LSAGCRADAINSTQSTALHVAVQRFLEVVRLCERGC DVNLPDAHSDTPLHSAI
 SAGTGASGIVEVLTEVPNIDVTATNSQGFLLHHSALKGHALAVRKILARARQLVDAKKEDGFTALHLAA
 LNNHREVAQILIREGRCDVNVNRKLSPLHLAVQQAHVGLVPLLVDAGCSVNAEDEEGDTALHVALQRH
 QLLPLVADGAGDPGPLQLLSRLQASGLPGSAELTVGAAYACFLALEGADVSYTNHRGRSPLDLAAEGRV
 LKALQGAQRFRERQAGGGAAPGPRQTLGTPNTVTNLHVGAAPGPEAAECLVCSELALLVLFSPCQHRTV
 CEECARRMKKCI RCQVVVSKKLRPDGSEVASAAPGPPRQLVEELQSRYRQMEERITCPCICIDSHIRLV
 FQCGHGACAPCGSALSACPICRQPIRDRIQIFV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1744_e06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_080875

ORF Size: 3039 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 Size: 3350 bp

RefSeq ORF: 2868 bp

Locus ID: 142678

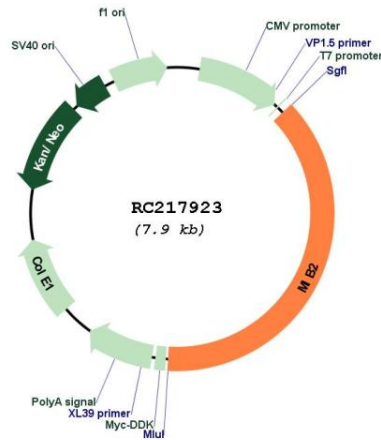
UniProt ID: [Q96AX9](#)

Cytogenetics: 1p36.33

MW: 109.9 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 RC217923