

Product datasheet for **RC230478**

MIB2 (NM_001170689) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIB2 (NM_001170689) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RC230478 representing NM_001170689
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCCAGACCCAGGCGGGCTGCAGGTGGGCATGCGGGTGGTGCAGCGCGTGGACTGGAAGTGGG
 GCCAGCAGGACGGCGGCGAGGGCGGCTGGGCACGGTGGTGGAGCTTGGCCGCCACGGCAGCCCTCGAC
 ACCCGACCGCACAGTGGTCTGTCAGTGGGACCAGGGCACGCGCACCAACTACCGCGCCGGTACAGGGC
 GCGCACGACTGCTGTACGACAACGCCAGATCGGCGTCCGGCACCCCAACATCATCTGTGACTGCT
 GCAAGAAGCACGGGCTGCGGGGATGCGCTGGAAGTGCCGTGTGTGCCTGGACTACGACCTCTGCACGCA
 GTGCTACATGCACAACAAGCATGAGCTCGCCACGCCCTTCGACCGCTACGAGACCGCTCACTCGCCCT
 GTCACACTGAGTCCCGCCAGGGCTCCCGAGGATCCCACTAAGGGGCATCTCCAGGGAGCGAAGGTGG
 TCGAGGCCCGACTGGGAGTGGGGCTCACAGGATGGCAAGCCGGCGGAGCTGCAGCGCAGGGTGTGTC
 TGACAGCCAGCCCTCCAGCACGGGACAAGGTCAAGTGTCTGCTGGACACTGATGTCCTCGGGGAGATG
 CAGGAAGGCCACGGCGGCTGGAACCCAGGATGGCGGAGTTTATCGGACAGACGGGCACCGTGCATCGTA
 TCACGGACCGCGGGACGTGCGCGTGCAGTTCAACCACGAGACGCGCTGGACCTCCACCCCGGGGCGCT
 CACCAAGCACCACTCCTTCTGGGTGGGCGACGTGGTCCGGGTATCGGCGACCTTGACACAGTGAAGCGG
 CTGCAGGCTGGGCATGGCGAGTGGACGGACGACATGGCCCTGCCCTGGGCCGCGTCCGGGAAGGTGGTGA
 AAGTGTGGAGACGGGAACCTGCGTGTAGCAGTCTGGTGCAGCGGTGGACCTTCAGCCCTCTGCT
 GGTGGCCTACCGCCCGAGGAGGATGCCAACCTGGACGTGGCCGAGCGCGCCCGGAGAACAAGCTCA
 CTGAGCGTGGCCCTGGACAAGCTTCGGGCCAGAAGAGTGACCCAGAGCACCCGGGAAGGCTGGTGGTGG
 AGGTGGCGCTGGTAACGCAGCCCGGGCTCTGGACCTGCTGCGGAGGCGCCAGAGCAGGTGGACACCAA
 GAACCAAGGCAGGACCGCTCTGCAAGTGGCTGCCTACCTGGGCCAGGTGGAGTTGATACGGCTGCTGCTA
 CAAGCCAGGGCGGGCTGGACCTGCCGGACGACGAGGGCAACACGGCACTGCACTACGCGCCCTGGGGA
 ACCAGCCCGAGGCCACCAGGGTCTCCTGAGTGTGGGTGCCGGCGGACGCCATCAACAGCACCCAGAG
 CACAGCACTGCACGTGGCCGTGCAGAGGGGCTTCTGGAGGTGGTGCAGGCGCTGTGTGAGCGGGCTGT
 GACGTCAACCTGCCCGACGCCACTCGGACACGCCCTGCACTCCGCCATCTCGGCGGGCACTGGAGCCA
 GCGGCATTGTGAGGTCCTCACGGAGGTGCCAACATCGATGTTACCGCCACCAACAGCCAGGGTTTCAC
 CCTGCTGCACCATGCCTCCCTCAAGGGTCACGCGCTAGCTGTGAGAAAGATTCTGGCTCGGGCGCGGAG
 CTGGTGGACGCCAAGAAGGAGGACGGCTTCACGGCGCTGCATCTGGCTGCCCTCAACAACCACCGGAGG
 TGGCCCAGATCCTCATCCGGGAGGGCCGCTGTGACGTGAACGTGCGCAACCGGAAGCTGCAGTCCCGCT
 GCATCTCGCCGTGCAACAGGCCACGTGGGGCTGGTGCCGCTACTGGTGGACGCTGGGTGCAGTGTCAAC
 GCCGAGGACGAGGAGGGGACACAGCCCTGCACGTGGCGCTGCAGCGTCACTAGCTGTGCCCTGGTGG
 CTGATGGGGCCGGGGGGACCCAGGGCCCTTGACGTGCTGTCCAGGCTACAGGCCTCGGGCCTCCCGG
 CAGCGCGGAGCTGACGGTGGGCGCGGGTTCGCTGCTTCTGGCGTGGAGGGCGCCGACGTGAGCTAC
 ACCAACCCCGGGTCCGAGCCCGCTGGACCTGGCCCGGAGGGTCCGCTGCTCAAGGCCCTTCAGGGCT
 GCGCCAGCGCTCCGAGTCCGCGCGCAGGATGAAGAAGTGCATCAGGTGCCAGGTGGTCTGTCAGCAAGA
 AACTGCGCCAGACGGCTC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC230478 representing NM_001170689
Red=Cloning site Green=Tags(s)

```
MDPDPQAGVQVGMRVVRGVVQDQGGEGGVTVELGRHGSPSTPDRTVVVQWQDQTRTNYRAGYQG
AHDLLL YDNAQIGVHRPNIICDCCKKHGLRGMRWKCRVCLDYDLCTQCYMHNKHEL AHAFDRYETAHSRP
VTLSRQGLPRIPLRGI FQGAKVVRGPDWEWGSQDGKPAELQRRVSADSQPFQHGDKVKCLLDDVLRM
QEGHGGWNPRMAEF IGQTGTVHRITDRGDVVRVQFNHETRWTFHPGALTKHHSFWVGDVVRVIGDLDTVKR
LQAGHGEWTDMMAPALGRVGKVVKVF GDGNLRVA VAGQRWTFSPSCLVAYRPEEDANL DVAERARENKSS
LSVALDKLRAQKSDPEHPGRLLVVEVALGNAARALDLLRRRPEQVDTKNQGR TALQVAAYLGQVELIRLLL
QARAGVDLPDDEGNTALHYAALGNQPEATRVLLSAGCRADAINSTQSTALHVAVQRGFLEVVRLCERGC
DVLNLPDAHSDTPLHSAISAGT GASGIVEVLEVPNIDVTATNSQGFTLLHHASLKGHALAVRKILARARQ
LVDAKKEDGFTALHLAALNNHREVAQILIREGRCDVNVNRNKLQSPLHLAVQQAHVGLVPLLVDAGCSVN
AEDEEGDTALHVALQRHQLLPLVADGAGDPPGLQLLSRLQASGLPGSAELTVGA AVACFLALEGADVSY
TNHRGRSPDLAAEGRVLKALQGAQFRFRVRAQDEEVHQVPGGRQQETAPRRL
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001170689

ORF Size: 2259 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_001170689.2](#)

RefSeq ORF: 2262 bp

Locus ID: 142678

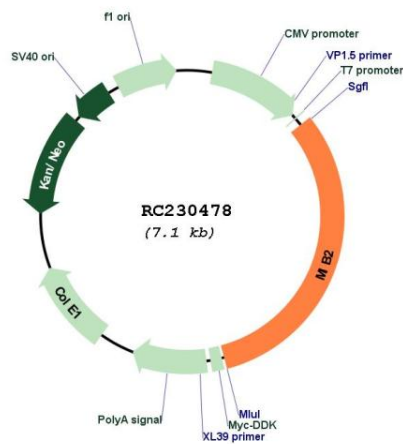
UniProt ID: [Q96AX9](#)

Cytogenetics: 1p36.33

MW: 82.6 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 RC230478