

Product datasheet for SC123120

MIB2 (NM_080875) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIB2 (NM_080875) Human Untagged Clone
Tag:	Tag Free
Symbol:	MIB2
Synonyms:	ZZANK1; ZZZ5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_080875 edited
GGCTCCCGCCCTTCGGGTCCCACAGTTTCCAGCCGCCGCTCCTCAGTGCCCGGTGGCC
CAGGAGGGCCTGGGAGCCGAAGCCGTCCTCCTAGTCACTGGCGGATGC
GGGCCGTCTCGGCTGATGGGTTGGAAGCCAGCGAGGCTAGAGGCCAGTCCCAAAGT
TTCCAGGCATCAGGGCTGCAGCCAGGAGCCTCAAGGCGGCCGCGGGCGACTGGACGG
CCGGACAGGTCCCGAGCAGCCCCGCCAACATGGACCCAGACCCAGGCGGGCGTGCAG
GTGGGCATGCGGGTGGTGCAGCGGCTGGACTGGAAGTGGGGCCAGCAGGACGGCGGCGAG
GGCGGCGTGGGCACGGTGGTGGAGCTTGGCCGCCACGGCAGCCCTCGACACCCGACCGC
ACAGTGGTCGTGAGTGGGACAGGGCACGCGCACCAACTACCGCGCCGCTACCAGGGC
GCGCACGACCTGCTGCTGTACGACAACGCCAGATCGGCGTCCGGCACCCCAACATCATC
TGTGACTGCTGCAAGAAGCACGGGCTGCGGGGGATGCGCTGGAAGTGCCGTGTGCCTG
GACTACGACCTCTGCACGCAGTGTACATGCACAACAAGCATGAGCTCGCCACGCTTC
GACCGCTACGAGACCGCTCACTCGCCCTGTCACTGAGTCCCGCCAGGGCCTCCCG
AGGATCCCACTAAGGGGCATCTCCAGGGAGCGAAGGTGGTGCAGGGCCCGACTGGGAG
TGGGGCTCACAGGATGGAGGGGAAGGAAACCGGGCCGTGGTGGACATCCGTGGCTGG
GATGTGGAGACAGGCCGGAGTGTGGCCAGCGTGACGTGGGCTGATGGTACCACCAATGTG
TACCGTGTGGGCTACAAGGGCAAGGTGGACCTCAAGTGTGTGGGCGAGGCAGCGGGCGG
TTCTACTACAAGGACACCTCCCAAGGCTCGGCAAGCCGGCGGAGCTGCAGCGCAGGGTG
AGTGCTGACAGCCAGCCCTTCCAGCACGGGGACAAGGTCAAGTGTCTGCTGGACACTGAT
GTCCTGCGGGAGATGCAGGAAGGCCACGGCGGCTGGAACCCAGGATGGCGGAGTTTATC
GGACAGACGGGCACCGTGCATCGTATCACGGACCGCGGGGACGTGCGCGTGCAGTTCAAC
CACGAGACGCGCTGGACCTTCCACCCGGGGCGCTCACCAGCACCCTCTTCTGGGTG
GGCGACGTGGTCCGGTGCATCGGCGACCTTGACACAGTGAAGCGGCTGCAGGCTGGGCAT
GGCGAGTGGACGGACGACATGGCCCTGCCCTGGGCCGCGTGGGAAGGTGGTGAAGTG
TTTGGAGACGGGAACCTGCGTGTAGCAGTGTGTCAGCGGTGGACCTCAGCCCTCC
TGCTGGTGGCCTACCGCCCGAGGAGGATGCCAACCTGGACGTGGCCGAGCGCGCCCGG
GAGAACAAGGCTCACTGAGCGTGGCCCTGGACAAGCTTCGGGCCAGAGAAGTGAACCA



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GAGCACCCGGAAGGCTGGTGGTGGAGGTGGCGCTGGGTAAACGCAGCCCCGGGCTCTGGGC
 CTGCTGCGGAGGCGCCCAGAGCAGGTGGACACCAAGAACCAAGGCAGGACCGCTCTGCAA
 GTGGCTGCCTACCTGGGCCAGGTGGAGTTGATACGGCTGCTGCTACAAGCCAGGGCGGGC
 GTGGACCTGCCGACGACGAGGGCAACACGGCACTGCCTACGCGGCCCTGGGGAACCAG
 CCCGAGGCCACCAGGGTCTCTGAGTGTGGGTGCCGGGCGGACGCCATCAACAGCACC
 CAGAGCACAGCACTGCACGTGGCCGTGCAGAGGGGTTCTGGAGGTGGTGGCGGCCCTG
 TGTGAGCGCGGCTGTGACGTCAACCTGCCGACGCCCACTCGGACACGCCCTGCCTCC
 GCCATCTCGGCGGGCACTGGAGCCGGCGCATTGTGAGGTCTCACGGAGGTGCCAAAC
 ATCGATGTTACCGCCACCAACAGCCAGGGTTTACCCTGCTGCACCATGCCTCCCTCAAG
 GGTACGCGCTAGCTGTGAGAAAGATTCTGGCTCGGGCGCGCAGCTGGTGGACGCCAAG
 AAGGAGGACGGCTTACGGCGCTGCATCTGGCTGCCCTCAACAACCACCGGAGGTGGCC
 CAGATCTCATCCGGGAGGGCCGCTGTGACGTGAACGTGCACAACCGAAGCTGCAGTCC
 CCGCTGCATCTCGCCGTGCAACAGGCCACGTGGGGCTGGTGGCCTACTGGTGGACGCT
 GGGTGCAGTGTCAACGCCGAGGACGAGGAGGGGACACAGCCCTGCACGTGGCGTGCAG
 CGTCATCAGTGTGCCCTGGTGGCTGATGGGGCCGGGGGGACCCAGGGCCCTTGCAAG
 CTGCTGTCCAGGCTACAGGCCTCGGGCCTCCCCGGCAGCGCGGAGCTGACGGTGGGCGCG
 GCGGTGCGCTGCTTCTGGCGCTGGAGGGCGCCGACGTGAGCTACACCAACCACCGCGGT
 CGGAGCCCCTGGACCTGGCCGCGGAGGGTTCGCGTGTCAAGGCCCTTACGGGCTGCGCC
 CAGCGCTTCCGGGAGCGGCAGGCGGGGGCGCGGCCCCGGGGCCCAAGGAAACGCTC
 GGGACCCCAACACCGTACGAACCTGCACGTGGGCGCCGCGCGGGGCGCGAGGGCCGCT
 GAGTGCCTGGTGTGCTCCGAGCTGGCGTGTGGTGTGTTCTCGCCGTGCCAGCACCGC
 ACCGTGTGTGAGGAGTGCAGCGCAGGATGAAGAAGTGCATCAGGTGCCAGGTGGTGTGTC
 AGCAAGAAACTGCGCCCAGAGCGGCTCTGAGGTGGCGAGCGCCGCCCGCCCGGGCCG
 CGCGCCAGCTGGTGGAGGAGCTGCAGAGCCGCTACCGGAGATGGAGGAACGCATCACC
 TGCCCCATCTGCATCGACAGCCACATCCGCTCGTGTTCAGTGCAGCCACGGCGCATGC
 GCCCCTGCGGCTCCGCGCTCAGCGCTGCCCATCTGCCCGCAGCCATCCGCGACCGC
 ATCCAGATCTTGTGTGAGCCGCGCCGTCGCGCGCCGAGCTGCCTTCCGCTGCCCGC
 GCCCTGTGTTTTATAAAAAGAAAGATTCTCGGACGTTGAAAAAAAAAAAAAAAAAAAAA
 AAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_080875 unedited
 NGGCAACTGGGATTTGTAATACGACCTACTATAGGGCGGCGCGCATTCCCGGGATGGCT
 CCCGCCCTTCCGGTCCCACAGTTTCCAGCCGCGCTCTCCTCAGTGCCCGGTGGCCAGG
 AGGGCCTGGGAGCCGAAGCCGTCCCCGAGTCGCTCCTAGGTCACTGGCGGATGCGGGC
 CGTCTCTCGGCTGATGGGTTGGAAGCCAGCGAGGCTAGAGGCCAGTCCCAAAGTTTCC
 AGGCATCAGGGTGCAGCCATGAGCCTCAAGGCGCCCGGGCGGACTGGACGGCCGG
 ACAGGTCCCGAGCAGCCCGCCCAACATGGACCCAGACCCAGGCGGGCGTGCAGGTGG
 GCATGCGGGTGGTGCAGCGGCTGGACTGGAAGTGGGGCCAGCAGGACGGCGGCGAGGGCG
 GCGTGGGCACGGTGGTGGAGCTTGGCCGCCACGGCAGCCCTCGACACCCGACCGCACAG
 TGGTCTGTCAGTGGGACCAGGGCACGCGCACCAACTACCGCGCCGGCTACCAGGGCGCGC
 ACGACCTGCTGTGTACGACAACGCCAGATCGGCGTCCGGCACCCCAACATCATCTGTG
 ACTGCTGCAAGAAGCACGGGCTGCGGGGATGCGCTGGAAGTGGCGTGTGTGCTGGACT
 ACGACCTTGCACGCAGTGTACATGCACAACAAGCATGAGTCCCGCCAGGGGCTCCCGAGG
 GCTACGAGACCGTCACTCGGCCCTGTCACTGAGTCCCGCCAGGGGCTCCCGAGG
 ATCCCACTAAGGGGATCTTCCAGGGAGCGAANGTGGTGCAGGCCCGACTGGGAGTGG
 GGCTCACAGGATGGAGGGGATGGAATCCGGNCCGGGTGGTGGACATCCGTGGCTGGNA
 TGTGC

Restriction Sites:

Please inquire

ACCN:

NM_080875

Insert Size:

3247 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](#)

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_080875.1](#), [NP_543151.1](#)

RefSeq Size: 3250 bp

RefSeq ORF: 3042 bp

Locus ID: 142678

UniProt ID: [Q96AX9](#)

Cytogenetics: 1p36.33

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]
 Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).