

## Product datasheet for **RG230614**

### MIB2 (NM\_001170688) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MIB2 (NM_001170688) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MIB2
Synonyms:	ZZANK1; ZZZ5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230614 representing NM_001170688 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGGGGCGCTCCGGCGGGGGCGGGCCCTGGGCTCCCGCCCTTCGGGTCCCACAGTTTCCAGCCGCC  
GCTCTCCTCAGTGCCCGGTGGCCAGGAGGGCTGGGAGCCGAAGCCGTCGCCGAGTCGCTCCTAGGTC  
ACTGGCGCGATGCGGGCCGTCCTCTCGGCTGATGGTTGGAAGCCAGCGAGGCTAGAGGCCAGTCCCAA  
AGTTTCCAGGCATCAGGGCTGCAGCCCAGGAGCCTCAAGGCGGCCGGCGGGCGACTGGACGGCCGGACA  
GGTCCCGAGCAGCCGGCCACCATGGACCCTCTGCCACAGGTCCCGAGCAGCCCGCCAACATGGA  
CCCAGACCCCGAGCGGGCGTGCAGGTGGCATGCGGGTGGTGCAGCGGCTGGACTGGAAGTGGGGCCAG  
CAGGACGGCGGGCAGGGCGGCGTGGGCACGGTGGTGGAGCTTGGCCGCCACGGCAGCCCTCGACACCCG  
ACCGCACAGTGGTTCGTGACGTGGGACCAGGGCACGCGCACCAACTACCGCGCCGGCTACCAGGGCGCGCA  
CGACCTGCTGCTGACGACAACGCCAGATCGGCGTCCGGCACCCCAACATCATCTGTGACTGCTGCAAG  
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ACATGCACAACAAGCATGAGCTCGCCACGCCTTCGACCGCTACGAGACCGCTACTCGCGCCCTGTCAC  
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CCTACCGGCCGAGGAGGATGCCAACCTGGACGTGGCCGAGCGCCCGGGAACAAAAGCTCACTGAG  
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GCGCTGGGTAACGCAGCCCGGGCTCTGGACCTGCTGCGGAGGCGCCAGAGCAGGTGGACACCAAGAACC
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CAGGGCGGGCGTGGACCTGCCGGACGACGAGGGCAACACGGCACTGCACTACGCGGCCCTGGGGAACCAAG
CCCAGGCCACCAGGGTCTCTGAGTGTGGGTGCCGGGCGGACGCCATCAACAGCACCCAGAGCACAG
CACTGCACGTGGCCGTGCAGAGGGGCTTCTGGAGGTGGTGGGGCCCTGTGTGAGCGGGCTGTGACGT
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TGACCATGCCTCCCTCAAGGGTACGCGCTAGCTGTGAGAAAGATTCTGGCTCGGGCGCGCAGCTGGT
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ACACCGTGACGAACCTGCACGTGGGCGCGCGCCGGGGCCGAGGCCGCTGAGTGCTGGTGTGCTCCGA
GCTGGCGTGTGGTGTGTTCTCGCCGTGCCAGCACCGCACCGTGTGTGAGGAGTGCAGCGCAGGATG
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CCGCCCCCGCCCCGCGCCGCGCCAGCTGGTGGAGGAGTGCAGAGCCGCTACCGGCAGATGGAGGA
ACGCATCACCTGCCCCATCTGCATCGACAGCCACATCCGCTCGTGTCCAGTGGCGCCACGGCGCATGC
GCCCCGCGGCTCCGCGCTCAGCGCTGCCCATCTGCCGCCAGCCATCCGCGACCGCATCCAGATCT
TCGTG
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG230614 representing NM\_001170688  
 Red=Cloning site Green=Tags(s)

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MAGALRRGRALGSRPSGPTVSSRRSPQCPVAQEGLGARSRPVAPRSLARCGPSSRLMGWKPSEARGQSQ
SFQASGLQPRSLKAARRATGRPDRSRAARPTMDPSAHRRAAPPNMDPDQAGVQVGMRVVGVGVDKWKWQ
QDGGEGVGTVVVELGRHGSPTDRTVVVQWDQGTTRTYRAGYQGAHDLLEYDNAQIGVRHPNIIICDCK
KHGLRGMRWKCRVCLDYDLCTQCYMHNKHELAFDRYETAHSRPVTLSPRQGLPRIPLRGIFQGAKVVR
GPDWEWGSQDGKPAELQRRVSADSQPFQHGDKVKCLLDTVDLREMQEGHGGWNPRMAEFIGQTGTVHRIT
DRGDVVRVQFNHETRWTFHPGALTKHHSFWGDVVRVIGDLDTVKRLQAGHGEWTDMPALGRVGKVVV
FGDGNLRVAVAGQRWTFSPSCLVAYRPEEDANLDAERARENKSSLVALDKLRAQKSDPEHPGRLVVEV
ALGNAARALDLLRRRPEQVDTKNQGRALQVAAYLQVELIRLLLQARAGVDLPDDEGNTALHYAALGNQ
PEATRVLLSAGCRADAINSTQSTALHVAVQRGFLEVVRALCERGCVDNLPDAHSDTPLHSAISAGTGASG
IVEVLTEVPNIDVTATNSQGFLLHHASLKGHALAVRKILARARQLVDAKKEDGFTALHLAALNNHREVA
QILIREGRCDVNVNRNKLQSPLHLAVQQAHVGLVPLLVDAGCSVNAEDEEGDTALHVALQRHQLLPLVAD
GAGGDPGPLQLLSRLQASGLPGSAELTVGAAVACFLALEGADVSYTNHRGRSPLDLAAEGRVLKALQGCA
QRFREERQAGGGAAPGPRQTLGTPNTVTNLHVGAAPGPEAAECLVCESELALLVLFSPCQHRVTCCECARM
KKCIRCQVVVSKLRPDGSEVASAAPAPGPPRQLVEELQSRVQMEERITCPCIDSHIRLVFQCGHGAC
APCGSALSACPICRQPIRDRIQIFV
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TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI



<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001170688.1</a></u> , <u><a href="#">NP_001164159.1</a></u>
<b>RefSeq Size:</b>	3155 bp
<b>RefSeq ORF:</b>	2673 bp
<b>Locus ID:</b>	142678
<b>UniProt ID:</b>	<u><a href="#">Q96AX9</a></u>
<b>Cytogenetics:</b>	1p36.33
<b>Gene Summary:</b>	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]