

Product datasheet for **MR231388**

Mib2 (NM_001256108) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mib2 (NM_001256108) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mib2
Synonyms:	2210008I11Rik; skd; Zzank1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR231388 representing NM_001256108
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACCTGGACCCCATGCAGGTGTGCAGGTGGGCATGCGTGTGGTACGCGGAATGGACTGGAATGGG
 GCCAGCAGGATGGAGGTGAGGGCGGTGTGGCACCGTGGTGGAGCTTGGCCGCCATGGCAGCCCTCGAC
 CCCCAGCCGTACAGTTGTCGTTCACTGGGACCAGGGCACACGTACCAACTATCGAGCTGGCTACCAAGGT
 GCCCATGACCTGTTGCTCTATGACAACGCCAAATCGGTATCCGCCACCCCAATATCATCTGTGACTGCT
 GCAAGAAACATGGGCTTCGGGGCATGCGTTGGAAGTGCCGCTGCTGTTGACTATGACCTCTGCACACA
 GTGCTACATGCACAACAAGCATGACCTGACCCATGCCTTCGAGCGCTATGAGACATCTCACTCACGCCCG
 GTTACGCTGAGCCCCGACAGGGCTCCCTCGGATCCCACTGAGGGGCATCTTCAAGGAGCTAAGGTGG
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 AGGAGCACCTCCCAAAGCTTGGCAAGCCAGCAGAGCTGCAGCGCAGGGTGAAGTGTGATGGCCAGCCCT
 CCAGCGTGGGGACAAGGTCAAGTGTCTGCTGGACACAGATGTCCTAAGGGATATGCAAGAAGGCCATGGT
 GGCTGGAACCCTAGGATGGCAGAGCACAAACAGCTTCTGGGTGGGTGATGTGGTCCGGGTCATCGGTGACC
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 TGGCAAGGGCCCCGACGCTGGTGGATGCCAAGAAGGAGGATGGCTTACCAGCATGCATCTGGCAGCCCT
 CAACAACCACCGGAGGTGGCCAGTCCATAATCCGAGAGGGTCGCTGTGATGTGAATGTGCGGAACCGG
 AAGCTTCACTCCACTTCACTGGCTGTACAGCAGGCCACCTGGGGCTGGTACCCTGCTAGTGGACG
 CAGGCTGCAGTGTCAACACGGAGGACGAGGAGGGTGCACAGCCCTGCATGTGGCACTACAGCGTACCA
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 CAAGCCCTTGCAGGGCTGTGCCAGCGCTTCAGGGAGCGACAGGCAGGTGGCGGTGGGGTGTGCCCCG
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 GGTGTTCCAGTGCAGCATGGAGCGTGCAGCCCTGTGGCGCCGCTTAAACGCTGCCCATCTGCCG
 CAGCCCATCCGACCGCATTAGATCTTCGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >MR231388 representing NM_001256108
 Red=Cloning site Green=Tags(s)

MDLDPHAGVQVGMRVVRGMDWKWGQQDGGEGGVTVELGRHGSPSTPDRTVVVQWDQGTRTNYRAGYQG
 AHDLLLVDNAQIGIRHPNII CDCKKHLRGMRWKCRVCFDYDLCTQCYMHNKHLTHAFERYETSHSRP
 VTLSPRQGLPRIPLRGIFQGAKVVRGPDWEWSQDGGEGKTRVVDIRGWDVETGRSVASVTWADGTTNV
 YRVGHKGVLDLRCVGEAAGGFYYKEHLPKLGKPAELQRRVSADGQPFQRGDKVKCLLDTDVLRDMQEGHG
 GWNPRMAEHNSFWVGDVVRVIGDLDTVKRLQAGHGEWTDMPALGRVGVVVKVFGDGNLRVAVGGQRWT
 FSPSCLVAYRPEEDANLVAERARENKSSLVVALDKLRTQKSDPEHPGRLVVEAALGNVARALDLLRRHP
 EQVDTKNQRTALQVAAYLQVELVRLLLQARASMDLPDDEGNTVLHYTAMGNQPEATRLLSAGCAVDA
 RNGTRSTALHVAVQRGFLEVVKILCERGCVNLPDAHADTPLHSAISAGAGASSIVEVLTEVPGIDVTAT
 NSQGFLLHHSASLKGHVLAVRKILARARQLVDAKKEDGFTALHLAALNNHREVAQVLI REGRCDVNVRNR
 KLQSPHLAVQQAHLGLVPLLVDAGCSVNTEDEEGDTALHVALQRHQLLPLVADRAGGDPGLQLLSRLQ
 ASGLPGCTELTVGAACVFLAEGADVSYANHRGRSPLDLATEGRVLRKALQGAQRFRERQAGGGGVP
 GPRHVLSTPNTVTNLHVSHTAGPEAAECLVCESELALLILFSPCQHRTVCEEARRMKKCI RCQVVISKLL
 RPDGSEVVNAIQVPPRQLVEELQSRVQMEERITCPICIDSHIRLVFQCQGHGACAPCGAALNACPICR
 QPIRDRIQIFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

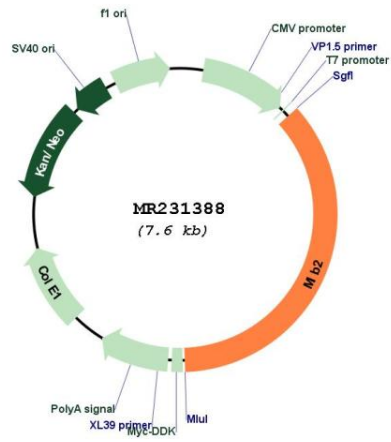


ACCN: NM_001256108

ORF Size: 2763 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:	<ol style="list-style-type: none"> 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_001256108.2 , NP_001243037.2
RefSeq Size:	3827 bp
RefSeq ORF:	2766 bp
Locus ID:	76580
UniProt ID:	Q8R516
Cytogenetics:	4 E2
MW:	100.3 kDa
Gene Summary:	E3 ubiquitin-protein ligase that mediates ubiquitination of Delta receptors, which act as ligands of Notch proteins. Positively regulates the Delta-mediated Notch signaling by ubiquitinating the intracellular domain of Delta, leading to endocytosis of Delta receptors. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231388