

Product datasheet for **MC229177**

Mib2 (NM_001256108) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC229177 representing NM_001256108
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCTGGACCCCATGCAGGTGTGCAGGTGGGCATGCGTGTGGTACGCGGAATGGACTGGAATGGG
 GCCAGCAGGATGGAGGTGAGGGCGGTGTGGGCACCGTGGTGGAGCTTGGCCGCCATGGCAGCCCCTCGAC
 CCCCAGCCGTACAGTTGTCGTTCACTGGGACCAGGGCACACGTACCAACTATCGAGCTGGCTACCAAGGT
 GCCCATGACCTGTTGCTCTATGACAACGCCAAATCGGTATCCGCCACCCCAATATCATCTGTGACTGCT
 GCAAGAAACATGGGCTTCGGGGCATGCGTTGGAAGTGCCGCGTCTGCTTTGACTATGACCTCTGCACACA
 GTGCTACATGCACAACAAGCATGACCTGACCCATGCCTTCGAGCGCTATGAGACATCTCACTCACGCCC
 GTTACGCTGAGCCCCGACAGGGCCTCCCTCGGATCCCACTGAGGGGCATCTTCAAGGAGCTAAGGTGG
 TACGAGGCCCTGACTGGGAATGGGGCTCACAAGATGGAGGGGAAGCAAGACAGGTGCTGTGGTGGACAT
 CCGTGGCTGGGATGTGGAGACAGGCCAAGTGTGGCCAGTGTGACGTGGGCAGATGGAACCAAGCAACGTG
 TACCGAGTGGGCCACAAGGGCAAGGTGGATCTCAGATGTGTTGGTGGAGCAGCTGGCGGCTTTACTACA
 AGGAGCACCTCCCAAAGCTTGGCAAGCCAGCAGAGCTGCAGCGCAGGGTGAAGTGTGATGGCCAGCCCT
 CCAGCGTGGGGACAAGGTCAAGTGTCTGCTGGACACAGATGTCCTAAGGGATATGCAAGAAGGCCATGGT
 GGCTGGAACCCTAGGATGGCAGAGCACAAACAGCTTCTGGGTGGGTGATGTGGTCCGGGTCATCGGTGACC
 TTGACACTGTGAAGCGACTTCAGGCCGGACATGGTGAATGGACCAGCAGCATGGCTCCCGCCCTGGGCCG
 AGTGGGAAAAGTGGTGAAGGTGTTGGAGATGGAACCTGCGTGTGGCGGTTGGCGGTGACGGTGGACC
 TTCAGCCCCTCTGCCTAGTGGCTACCGCCCTGAGGAAGACGCCAACCTGGATGTGGCTGAGCGTGCCA
 GAGAGAACAAAGCTCACTGAGTGTGGCCCTGGACAAGCTTCGGACCCAGAAGAGTGAACCCAGGACCC
 GGGGAGGCTGGTAGTAGAGGCCGCACTAGGAAAATGTAGCCGGGCTCTAGATCTTCTGCGGAGGCATCCA
 GAGCAGGTGGACACCAAGAACCAGGGTAGAACTGCCCTGCAGGTGGCTGCTTACCTGGGCCAGGTAGAGC
 TGGTGGGCTGCTGCTGCAGGCAAGAGCAAGTATGGACCTGCCGGATGATGAGGGCAACACTGTGCTGCA
 CTACACAGCCATGGGGAACCAGCCTGAGGCCACAAGGGTCTCCTGAGTGCAGGGTGTGCAGTGGATGCT
 CGGAATGGCACACGCAGCACAGCCCTACATGTGGCTGTACAGAGGGGCTTCTAGAGGTGGTAAAGATCC
 TGTGTGAACGTGGTTGTGATGTCAACTTGCCGGATGCGCATGCAGACACACCCCTGCATTCTGCCATCTC
 TGCTGGTGTGGTCCAGCAGCATTGTTGAAGTCTCACCGAGGTCCCTGGCATCGATGTCAGTCTGCTACC
 AATAGCCAGGGCTTCACACTGCTACACCATGCATCCCTCAAGGGCCATGTGCTAGCAGTCAGGAAGATTC
 TGGCAAGGGCCCCGACGCTGGTGGATGCCAAGAAGGAGGATGGCTTACCAGCATGCATCTGGCAGCCCT
 CAACAACCACCGGAGGTGGCCAGTCCATAATCCGAGAGGGTCGCTGTGATGTGAATGTGCGGAACCGG
 AAGCTTCACTCCACTTCATCTGGCTGTACAGCAGGCCACCTGGGGCTGGTACCCTGCTAGTGGACG
 CAGGCTGCAGTGTCAACACGGAGGACGAGGAGGGTGCACGGCCCTGCATGTGGCACTACAGCGTACCA
 GCTGTTGCCCTTGTGGCTGACAGGGCTGGGGAGACCCAGGGCCCTGCAGTGTCTCAAGGCTACAG
 GCCTCAGGCCCTCCAGGCTGCACAGAGTGTACTGTAGGCGCTGCAGTGGCTGCTTCTGGCGTTGGAGG
 GTGCTGATGTGAGTACGCAAACCACCGCGCCGGAGCCCACTGGACCTGGCCACAGAGGGCCGAGTCT
 CAAGCCCTTGACAGGCTGTGCCAGCCTTCAGGGAGCGACAGGCAGGTGGCGGTGGGGTGTGCCCCG
 GGCCCCGGCATGTGCTGAGTACTCCTAACACCGTGACGAACCTGCACGTGTGGCAGCGCAGGGCCAG
 AAGCTGCCGAGTGCCTGGTGTGCTCGGAGCTGGCATTGCTAATTCTGTTCTCACCGTGTACGACCCGCAC
 AGTGTGTGAGGAGTGCCTCGAAGGATGAAGAAGTGTATCAGGTGCCAGGTGGTCACTCAGCAAGAAGCTC
 CGCCAGACGGCTCAGAGGTGGTAAATGCCATCCAGGTGCCCGGCCCTCGGCAACTGGTGGAGGAGC
 TACAGAGCCGCTACAGGCAGATGGAGGAGCGCATACCTGCCCATCTGCATCGACAGCCACATCCGCT
 GGTGTTCCAGTGCAGGCTGGAGCGTGCAGCCCTGTGGCCCGCGCTTAACGCCTGCCCATCTGCCG
 CAGCCCATCCGCGACCGCATTAGATCTTCGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001256108
Insert Size:	2766 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001256108.2, NP_001243037.2</u>
RefSeq Size:	3827 bp
RefSeq ORF:	2766 bp
Locus ID:	76580
UniProt ID:	<u>Q8R516</u>
Cytogenetics:	4 E2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and lacks an in-frame exon in the 5' coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1. Variants 2, 3, 5, and 6 all encode the same isoform (2).</p>