

Product datasheet for MC223183

Mib1 (NM_144860) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mib1 (NM_144860) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mib1
Synonyms:	DIP-1; E430019M12Rik; Mib; mKIAA1323
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223183 representing NM_144860 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTAACTCCCACAACCCGAGTGATGGTGGAGGGGGTCGGCGCCCGCTAGTGC GCGCCCGGACT
GGAAGTGGGGCAAGCAGGACGGCGGCGAGGCCATGTAGGCACTGTACGGAGCTTCGAGAGTCCGGAGGA
GGTCGTGGTGGTGTGGGACAACGGCACGGCCGCAACTACCGCTGCTCAGGGGCCTACGACTGCGTATC
CTGGACAGCGCGCCACCAGGCATCAAGCATGATGGAACATGTGTGATACCTGCCGCCAGCAACCAATCA
TTGGCATTTCGATGGAAATGTGCAGAGTGCACCAATTATGATTTGTGCACTGTTTGTATCATGGAGATAA
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AGAAAACTAAGAAGATTACAGCCAGAGGAATCTTTGCTGGTGCCAGAGTGGTGCAGGAGTGGACTGGC
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GGCATGTCTGATCTCAAGTGTGCCAGGATGCCAAAGGAGTTCTTTCTACAGAGATCATTGCCCTGTGC
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AAGTCCTACACCGAGGCAGTGTGACCTGAATGCTCGTAATAAGCGTAGACAGACGCCTCTTCATATTGC
TGTC AATAAAGGTCATCTTCAAGTTGTGAAGACTTTGTTGGATTTTGGTTGTCATCCCAGTCTCCAGGAT
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TTTTGTA CTGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_144860
- Insert Size:** 3021 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).
- 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_144860.2](#), [NP_659109.2](#)
- RefSeq Size:** 3793 bp
- RefSeq ORF:** 3021 bp

Locus ID: 225164

UniProt ID: [Q80SY4](#)

Cytogenetics: 18 A1

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. Involved in ubiquitination of centriolar satellite CEP131, CEP290 and PCM1 proteins and hence inhibits primary cilium formation in proliferating cells. Mediates 'Lys-63'-linked polyubiquitination of TBK1, which probably participates in kinase activation (By similarity). Probably mediates ubiquitination and subsequent proteasomal degradation of DAPK1, thereby antagonizing anti-apoptotic effects of DAPK1 to promote TNF-induced apoptosis. [UniProtKB/Swiss-Prot Function]