

Product datasheet for MC202361

Myo1b (NM_010863) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo1b (NM_010863) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myo1b
Synonyms:	AA406997; MIH-L; MM1a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC046300 sequence for NM_010863

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GGCGGACGCGGTGTGGTGCACCTGAACGCACGGTCGGCTGAGCGGCGGGATCCCCGGCAGCAACTGTG
GCACAAGCCCCGCATCGGATCTGACCCGCTTCCCAGGCGGCGCCAGCGAGCAGCACGGGAGACGGA
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TACTGGGAGAGTGGAGCAGGAAAAACAGAGGCCAGCAAGCTCGTCATGTCCTATGTCGCTGCCGTGTGC
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AGAGGTGAAAGAACTTCCATGTGTTCTATCAGCTGCTCTCAGGCGCCTCTGAGGAGCTCCTCTACAAGC
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ATCAAGTCTCTGTTTCCTGAAGGAAATCCTGCAAAGGTCAACCTGAAGAGACCTCCCACCGCAGGCTCCC
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TCACTGTATGTTTGGAAATGCCAAAGGCTAAGTGTAGCGTCTCTTGGCACAATTAAGTATTTGAC
TAATGAGTTTTAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** RsrII-NotI
- ACCN:** NM_010863
- Insert Size:** 3324 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:** [BC046300](#), [AAH46300](#)
- RefSeq Size:** 3672 bp

RefSeq ORF: 3324 bp

Locus ID: 17912

UniProt ID: [P46735](#)

Cytogenetics: 1 26.58 cM

Gene Summary: Motor protein that may participate in process critical to neuronal development and function such as cell migration, neurite outgrowth and vesicular transport.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The encoded protein (isoform 2) is shorter than isoform 1.