

Product datasheet for **MC229346**

Myo1b (NM_001290982) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myo1b (NM_001290982) Mouse Untagged Clone
Tag: Tag Free
Symbol: Myo1b
Synonyms: AA406997; MIH-L; MMIa
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229346 representing NM_001290982
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAAATGGAGGTGAAATCCTCACTTCTGGACAATATGATCGGTGTTGGAGATATGGTTCTTTTAG
 AGCCGCTCAATGAGGAGACGTTTCATCGACAACCTGAAGAAGCGCTTCGACCACAATGAGATATATACATA
 CATTGGGAGCGTGGTTATATCTGTTAACCCCTACCGGTCCTTGCCCATATATTCGCCGGAGAAAGTGAA
 GATTACAGAAATAGAAACTTCTATGAACTGAGCCCTCACATCTTTGCTTTGTCGGATGAAGCATACAGAT
 CCCTCCGTGATCAAGATAAAGATCAATGCATTCTCATTACTGGGAGAGTGGAGCAGGAAAAACAGAGGC
 CAGCAAGCTCGTCATGTCTATGTCTGCTGCCGTGTGCGGAAAAGGAGCAGAAAGTCAATCAGGTCAAGGAA
 CAGCTTCTGCAGTCCAACCCTGTCTGGAAGCTTTTGGAAATGCCAAGACTGTGAGGAAATGACAACATCAT
 CTAGATTCGGCAAATACATGGATATTGAATTTGACTTTAAAGGCGATCCGCTGGGAGGAGTGATAAGTAA
 CTATCTTTAGAGAAATCTCGTGTGTTAAGCAGCCAAGAGGTGAAAGAACTTCCATGTGTTCTATCAG
 CTGCTCTCAGGCGCCTCTGAGGAGCTCCTACAAGCTTAAGCTGGAGCGGGATTCAGCAGATAACAAT
 ATCTGAGTCTGGACTCTGCTAAAGTTAATGGTGTGGATGATGCTGCCAATTTCAGAATGTTAGGAATGC
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 AAAGAAGAGCAAGAGGAATATATTCGGGAGGACATAGAATGGACTCACATTGACTACTTCAACAATGCTA
 TCAATTTGTGACCTAATAGAAAATAACACAAATGGAATCTTGCCATGCTGGATGAAGAGTGCCTGAGACC
 CGGCACTGTTACAGATGAGACCTTCTGAAAAAGCTGAACCAAGTCTGTGCCACCCACCAGCACTTTGAG
 AGCAGGATGAGCAAGTGTCCCGCTTCTCAACGACACAACCCTGCCCCACAGCTGCTTCAGAATCCAGC



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ATTATGCTGGCAAGGTGCTCTACCAGGTGGAAGGATTTGTTGACAAGAACAATGACCTTCTGTACCGGGA
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AAGGTCAACCTGAAGAGACCTCCACCCGAGGCTCCCAGTTCAAGGCGTCTGTGGCCACGCTGATGAGAA
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CAATGAGAGTCTCGTATGCCATCAGATCAGGTACCTGGGTCTTTTGGAGAACGTTGAGTGTAGACGGGA
GGCTATGCCTTCAGGCAGGCCTATGAACCTTGCCTGAAAAGATAACAAGATGCTTTGCAAAACAAACGTGGC
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GCACTCCTTCGGGAGATCCAAGATATTCATCCGAAACCCACGGACATTATTCCAACCTAGAAGACCTAAGG
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AGGTACGCAGGGAATACAGGAAATCTTTAGAGCAAATGCTGAAAAGAAAATCTATGAGTTTACACTTCA
AAGAATTTGCAAAAATACTTGTGAAAATGAAAATAAAATGCCTTCTTGTCCACCGATAGATAAAAAT
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GGTGTA AAAAATACAGGGATCAATTCACAGACCAGCAGAACTTATTTATGAAGAGAAGCTCGAGGCCAG
CGAACTCTTCAAAGACAAGAAGGCTTTATATCCTTCTAGTGTGGCAACCATTCCAAGGAGCTTACCTG
GAAATCAACAAGAACCCAAAATAAAGAACTCAAAGATGCCATTGAAGAGAAGATCATTATTGCTGAGG
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TCTCCTTGCTGACAAAAGTCTGGGCAGATCAAGTCCGAGGTCCCCTGGTAGATGTGACCAAGGTTTCC
ATGAGTCCCAGAACGATGGTTTCTTTGCAAGTGCACCTCAAGGAGGGTTCAGAAGCGGCTAGTAAAGGGG
ACTTTCTCTTTCAGCAGTGACCACCTGATTGAAAATGGCAACCAAGCTGTATCGCACGACTCTCAGCCAAAC
TAAACGAAGCTCAACATCGAGATTTCCGATGAGTTCTGGTACAGTTTACAGACAGGACAAAGTATGTGTG
AAGTTTATTCAAGGCAACCAAGAAAATGGGAGCGTGCCAACCTGCAACGAAAGAACAACAGACTCCTTG
AAGTCGCTGTCCCTAA
    
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001290982
- Insert Size:** 3237 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:**
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_001290982.1](#), [NP_001277911.1](#)

RefSeq Size: 4879 bp

RefSeq ORF: 3237 bp

Locus ID: 17912

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 (3) lacks two in-frame exons in the 3' coding region, compared to variant 1. The encoded protein (isoform 3) is shorter than isoform 1.