

Product datasheet for **SC327700**

MYO1B (NM_001161819) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYO1B (NM_001161819) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYO1B
Synonyms:	MMI-alpha; MMIa; MYH-1c; myr1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001161819, the custom clone sequence may differ by one or more nucleotides

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ATGGCCAAAATGGAGGTGAAAACCTCACTTCTGGACAATATGATTGGAGTTGGGGATATG
GTTCTTTTAGAACCTCTCAATGAGGAGACCTTCATCAACAACCTCAAGAAAGCGCTTTGAC
CACAGTGAATATACACATACATTGGAAGTGTGGTTATATCTGTTAACCCATACCGGTCT
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GACCAATGTATTCTACTACTGGGAAAGTGGAGCAGGAAAAACAGAGGCCAGTAAGCTT
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CAGCTTTTACAGTCCAACCCGGTCTGGAAGCTTTTGGAAATGCCAAAACCTGTAAGGAAT
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CTAGGAGGAGTAATAAGTAACTATCTTTTAGAGAAATCTCGGGTTGTTAAACAGCCAAGA
GGTGAAAGAAACTTCCATGTGTTCTATCAGCTGCTCTCTGGTGCCTCTGAAGAGCTCCTC
AATAAACTTAAGCTTGAGAGGGATTTACAGCAGGTATAACTACCTGAGTCTGGATTCGGCC
AAAGTGAATGGAGTGGATGATGCAGCAAATTTAGAACCGTGCAGGATGCCATGCAGATT
GTGGGCTTTATGGATCATGAAGCTGAGTCTGTCTTGGCGGTGGTGGCAGCAGTGTGAAA
CTGGGGAACATTGAGTTCAAGCCGAATCTCGAGTGAATGGTCTAGATGAAAGCAAATC
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CAGTTCATTATTAATTATTGTAACGAAAAGCTGCAACAAATCTTCATTGAACTTACTCTT
AAAGAAGAGCAGGAGGATATACGGGAGGATATAGAATGGACTCACATTGACTACTTC
AATAATGCTATCATTTGTGACCTAATAGAAAATAACACAAATGGAATCCTGGCCATGCTG
GATGAAGAGTGCCTCAGACCTGGCACAGTCACTGATGAGACCTTCTTAGAAAAGCTGAAC
CAAGTATGTGCCACCCACCAGCATTGAGAGCAGGATGAGCAAGTCTCTCGGTTCTCT

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AATGACACGTCTCTGCCTCACAGCTGCTTCAGGATCCAGCATTATGCTGGAAAGGTGCTG
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GCCATGTGGAAGGCCAGCCATGCCCTCATCAAGTCTTTGTTCCCGAAGGGAATCCCGCC
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AAAAAAGCAGCACACATCTTCAACGAGGCTCTAGTGTGTCATCAGATCAGGTACCTGGGG
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AAGCAACGCCCTGGAGGACTTGGCCACTCTCATTAGAAGATATATCGGGGGTGGAAATGC
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TCAAGACCTTACTTATTTGGATTCTACTCACAAAGGAGCTAAAAAGGATTTTCCACTTG
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CAACCATTCCAAGGGGCTTACCTGGAAATCAACAAGAACCCTAAGTATAAGAAACTCAAA
GATGCCATTGAAGAAAAGATCATCATTGCTGAAGTCGTGAACAAAATTAACCGTGTAAAT
GGGAAGAGTACATCTCGGATTTTCTCTTAACAAACAATAATCTCCTTCTTGCTGACCAA
AAGTCTGGACAAATCAAGTCAGAGGTTCCATTGGTGGATGTGACCAAGGTATCAATGAGC
TCACAAAATGATGGCTTCTCGCCGTCACCTCAAAGAGGGCTCAGAAGCAGCTAGTAAA
GGAGACTTCTCTCAGCAGTGATCACCTGATTGAAATGGCCACCAAGCTCTATCGCACA
ACTCTCAGCCAAACCAACAGAAGCTCAATATTGAGATTTCCGATGAGTTCCTGGTACAG
TTCAGACAGGACAAAGTATGTGTGAAGTTTATTAGGGAACAGAAAAATGGGAGTGTC
CCAACATGTAAACGAAAAACAACCGTCTCCTTGAAGTTGCTGTCCCT

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- Restriction Sites:** Please inquire
- ACCN:** NM_001161819
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001161819.1](#), [NP_001155291.1](#)

RefSeq Size: 4951 bp

RefSeq ORF: 3411 bp

Locus ID: 4430

UniProt ID: [O43795](#)

Cytogenetics: 2q32.3

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) differs in the 5' UTR, compared to variant 1. Both variants 1 and 3 encode the same isoform (1).