

Product datasheet for **SC106010**

MYO1B (AJ001381) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYO1B (AJ001381) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYO1B
Synonyms:	myr1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AJ001381, the custom clone sequence may differ by one or more nucleotides

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AAAGATACAAAATGCTTTGTAACAACATGGCCTCATTGGAAGGACCAGCCAGGTCTGGTGTGGAGGT
CCTATTTAATGAATTAGAAATCCCGTGAAGAATACTCCTTTGGTAGATCAAAGATATTCATCCGAAAC
CCAAGAACATTATTCAAATTAGAAGACCTGAGGAAGCAACGCCTGGAGGACTTGGCCACTCTCATTGAG
AGATATATCGGGGTGGAAATGCCGCACACACTTCTGCTAATGAAAAAAGCCAAATTGTGATTGCCGC
CTGGTACAGGAGATATGCGCAACAAAAGAGGTACCAGCAGACAAAAGAGTTCGGCCTTAGTAATTCAGTCT
TATATCCGGGTTGGAAGGCTCGAAAAATCTGCGGGAAGTGAAGCATCAAAAAGCGCTGTAAGGAAGCAG
TCACGACCATTGCTGCATATTGGCATGGGACCCAGGTACGTAGAGAATACAGGAAATTTTCAGAGCCAA
TGCTGGAAGAAAATCTATGAGTTTACGCTTCAGAGAATTGTGCAAAAATACTTCTTGAAATGAAAAAT
AAGATGCCTTCTTATCTCCAATAGACAAGAATTGGCCCTCAAGACCTTACTTATTTCTGGATTCTACTC
ACAAGGAGCTAAAAGGATTTTCCACTTGTGGAGGTGTAACAAAACAGGGACCAATTACAGACCAGCA
GAAACTTATTTATGAAGAGAACTAGAAGCCAGTGAACCTTCAAAGACAAGAAGCTTTATACCCATCT
AGTGTTGGGCAACCATTCCAAGGGCTTACCTGAAAATCAACAAGAACCCCAAGTATAAGAACTCAAAG
ATGCCATTGAAGAAAAGATCATATTGCTGAAGTCGTGAACAAAATTAACCGTGCTAATGGGAAGAGTAC
ATCTCGGATTTTCTCTTAAACAACAATAATCTCCTTCTGCTGACAAAAGTCTGGACAAAATCAAGTCA
GAGGTTCCATTGGTGGATGTGACCAAGGTATCAATGAGCTCACAAAATGATGGCTTCTTCGCCGTCACC
TCAAAGAGGGCTCAGAAGCAGCTAGTAAAGGAGACTTTCTTTCAGCAGTGATCACCTGATTGAAATGGC
CACCAAGCTCTATCGCACAACTCAGCCAAACCAACAGAAGCTCAATATTGAGATTTCCGATGAGTTC
CTGGTACAGTTACAGACAGGACAAAGTATGTGTGAAGTTTATTACAGGAAACCAGAAAAATGGGAGTGTCC
CAACATGTAACGAAAAACAACCGTCTCCTTGAAGTTGCTGTCCCTTAACTGGCGCCTCCTCTCTACTT
TCATGGACTTGTCTTTGTAATAGTGCAATTTGGTTTTGTTTTATTTGGGGTTCATTGTATGTTTGGGA
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GTCTGATGTGTTCTTCTTTAGTCATCATGTTAGGTCTGTGTACCCTAAATCAGCATATTACTCATAAAT
CATTAATTAATAAGCATAGGAAATGGTCTTAAAGATACTGCATTCAATCATCAGATATTTATCCAT
GCCTACTCTATGCTAGGCACTGTGCTAGATGGTATGAAAATTTATTAGGAACCTTTTTGTTTTGAGACC
ATTGCATTCTGGCTGTTTGTGCTGTTTAAACGACATCTAAGAAGGTTTAGAAAATGGTGAGACAAAACA
ATAACTGTTAATGATGGACAGCATTATTAGGAACCTGTAGTATGATATTTAACAATATAGGCTTCAAGA
AGGGCTGTCCTAAGAGGGGGCAGAAATGAATGACCAGGTTAAATCCCTCTACATGTGTTTCTGTTTGA
AAAAAAGAAAAGTACATTTGAACAGGACTTTTAAATTTGTTTAAAAGTCTGGTAATTACTTGTAAACAGTA
GAAAATAGAAGTCATTCTTATTTTAGAAAAAGTGACAGAAGCAGTCCAGTAAAGATTATATGTTTCTGTTT
CTGGTAAATACCATATATGATCCTCGAAATGATAATATCTCCAGAATATTGTTTTACCCAAATTTGAGT
AGATATTTTAAACACCTAACAAAGTAAAGGGCTAAAAGCCATTAGATAGCAGTAAAACATTCTGTATGA
TGTGCAATAAACATCCAAGATCTTTTTGAAAGTTTTATTTATAATATACATTTTTGTATGAGAAAGGT
GATTGGTACAGGGTGCCTATTTTAGTCATGGATCAAAAATTTGTGTAACCTGCAGGGCTTTCTTTCTTTT
CTTCAAATTTACAAGGGTTCATTTTGGAAACTACATTTTAAACTTTGGAATCAAATTTGTTCTTATTTGG
GAGGATAATGTATACATTTGGTATTATGTTAAATAATAAAAATTTGTTCTAATTTGGTCCATTTCCTGAA
AAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AJ001381 unedited</p> <pre>TTGTAACACGACTTTCTATAGGGCGGCCGCAATTCGGCACGAGGGGTGTATCAAACCGA ATGATAAAAAAGCAGCACACATCTTCAACGAGGCTCTAGTGTGCATCAGATCAGGTACC TGGGGCTTTTGGAGAACGTCCGAGTGCGGAGGGCAGGCTACGCCCTTCAGGCAGGCCTATG AACCTTGCTAGAAAGATACAAAATGCTTTGTAACAAACATGGCCTCATTGGAAAGGAC CAGCCAGGTCTGGTGTGGAGTCTCTTAATGAATTAGAAATCCCGTGAAGAATACT CCTTTGGTAGATCAAAGATATTCATCCGAAACCCAGAACATTATCAAATTAGAAGACC TGAGGAAGCAACGCCTGGAGACTTGGCCACTCTCATTCAAGAGATATATCGGGGTGGA AATGCCGCACACACTTCTGCTAATGAAAAAAGCCAAATTGTGATTGCCGCCTGGTACA GGAGATATGCGCAACAAAAGAGGTACCAGCAGACAAAAGAGTTCCGCCTTAGTAATTCAGT CTTATATCCGGGTTTGAAGGCTCGAAAAATTCTGCGGAACTGAAGCATCAAAAGCGCT GTAAGGAAGCAGTCACGACCATTGCTGCATATTGGCATGGGACCCAGGTACGTAGAGAAT ACAGGAAATCTTCAGAGCCAATGCTGGAAGAAAATCTATGAGTTTACGCTTCAGAGAA TTGTGCANAAATACTTCTGGAAATGAAAAATAAGATGCCTTCTATCTCCATAGACAA GAATTGGCCCTCAGACCTTACTTATTCTGNNATTCTACTACAAGGAGCTAAAAAGGATT CTCCACTTGTGGGAGGTGAAAAATACAGGGACCCAATCCAGACCAGCGAACTTTTTATG AGAGAACTAGNAGCAGTACTCTCAAGACAGAGGCTTTACCATCTAGNGTGGGCANCTC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AJ001381 unedited</p> <pre>TACCGCGCCGATTCTANATCGAGTTTTTTTTTTTTTTTTTTTTTGGCACCAATTAGAACAA TTTTATTATTTAACATAATACCAATGTATATACATTATCCTCCCAATAAGAAACAATTT GATTCCAAAGTTTAAATGTAGTTTCCAAAATGAACCCTTGTAATTTGAAGAAAAGAA AGAAAGCCCTGCAAGTTACACAAATTTGATCCATGACTAAAATAGGCACCCTGTACCAA TCACCTTTCTCATACAAAATGTATATTATAAATAAAAACCTTTCAAAAAAGATCTTGGATG TTTTATTGCATCATACAGAATGTTTTACTGCTATCTGAATGGCTTTTAGCCCTTACT TTGTTAGGTGTTTAAATATCTACTCAAATTTGGGTGAAAACAATATTCTGGAGATATTA TCATTTGAGGATCATATATGGTATTTACCAGAAAACAGAAACATATAATCTTACTGGACT GCTTCTGCACTTTTTCTAAAATAAGAAATGACTTCTATTTTCTACTGTTACAAGTAATTA CCAGAGTTTTAAACAAATTAAGTCTGTTCAAATGTGAGTTTTTTTTTTTCAAACAG AAACCATGTAGAGGGATTTAACCTGGTCATTCTTTCTGCCCCCTTAGGACCAGCC CTTCTGAAGCCTATATTGTTAAATATCATACTACAGGGTTCCTAATAATGCTGTCCATC ATTAACAGTTATTGTTTTGGTCTCACATTTTCTAACCTTCTAGATGTCGTTAACACGNC CAAACAGCCAGATGGCATGGTCTCAAAACAAAAGGGTCTATAGTTTTTCATACATCTAC ACAGTGTAGCTAGAGTAGCTGGAATAATTCTGATGATGATGCAGATCTTTAAGACATTC CTAGCTTTTTAATAAGGATTTGAGAAAATGCGGGTAGGGTCCCGGCTACTGTGGCTTAG GAGAACCTCGACTGAATAGCCCTGTGTTACAATCGCN</pre>
Restriction Sites:	NotI-NotI
ACCN:	AJ001381
Insert Size:	2750 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: [AJ001381.1](#), [CAA04712.1](#)

RefSeq Size: 2538 bp

RefSeq ORF: 2538 bp

Locus ID: 4430

Cytogenetics: 2q32.3

Domains: IQ

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]