

## Product datasheet for SC106111

### MYO1B (BC021665) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MYO1B (BC021665) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYO1B
Synonyms:	MYO1B variant protein; myosin-I alpha; myosin IB; myr1; OTTHUMP00000163592
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC021665, the custom clone sequence may differ by one or more nucleotides

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GGGGTTTCCTCAGTTAGATTGCACATGCATGAGAAGCAGTAGATGTGTCTCTCATTCTTTCTTTTCAT
TGCCTGCTAAGTACTGTTTGTATACCAGTAGCATGGGTGAGAGTGGGAGTTGTCAACAGAAGAGTCCAG
CATGTATCCATGATGGACTCTCGATCAACTTTATATGATTAAGTCAATATAAAACAGCCCTGTATGGAAGC
TGAGGCTGCCTCTTCTAGCCACAGGATATTGACCTACTTCCCCTTCTATCTGCTTGCAAATATTTG
TTGTACTTAGTGTGTTCCCTGTCACAACGAATGTTTGTCTCTCTTTTCATATGAACTGAAGGCTAAA
GTGCTAGTTAAATCAGTGGAAAAAGCAATGGAGAAGAAAAGTTGCTGGAGACCATGGCCAAAATGGAGGT
GAAAACCTCACTTCTGGACAATATGATTGGAGTTGGGGATATGGTTCTTTTGAACCTCTCAATGAGGAG
ACCTTCATCAACAACCTCAAGAAGCGCTTTGACCACAGTGAATATACACTTACATTGGAAGTGTGGTTA
TATCTGTTAACCCATATCGGTCTTTACCCATTTATTCACCAGAGAAAAGTGAAGAATACAGGAACAGAAA
TTTTTATGAACTGAGCCCTCACATCTTTGCCCTTCGGATGAAGCATACAGATCCCTACGAGATCAAGAT
AAGGACCAATGTATTCTCATTACTGGGAAAAGTGGAGCAGGAAAAACAGAGGCCAGTAAGCTTGTGATGT
CCTATGTGGCAGCTGTTTGTGAAAAGGAGCAGAAGTTAATCAAGTTAAGAACAGCTTTTACAGTCCAA
CCCGGCTCTGGAAGCTTTTGGAAATGCCAAAACGTAAAGGAATGACAACCTCTAGATTTGGCAAATAT
ATGGATATTGAATTTGACTTTAAAGCGATCCACTAGGAGGAGTAATAAGTAACTATCTTTTAGAGAAAT
CTCGGGTTGTAAACAGCCAAGAGGTGAAAGAAAACCTCCATGTGTTCTATCAGCTGCTCTGTTGCCTC
TGAAGAGCTCCTCAATAAACTTAAGCTTGAAGGGATTTGAGCAGGTATAACTACCTGAGCTGGATTTCG
GCCAAAGTGAATGGAGTGGATGATGCAGCAAAATTTAGAACCCTGCGGAATGCCATGCAGATTGTGGCT
TTATGGATCATGAAGCTGAGTCTGTCTTGGCGGTGGTGGCAGCAGTGTGAAACTGGGGAACATTGAGTT
CAAGCCCGAATCTCGAGTGAATGGTCTAGATGAAAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC021665 unedited TTGCANATTTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCTGGGTGCG CACGGGAGCCTCAACCGCGGCGCGTGGAGGCAGTACCAGAGCGCGCGCGCAGTCGGC CGGCAGCCGCGGGACAGCCTTGGCAGAACAGCCGCGGCGGGAGCCCCGAGCCCCGGGCT GGGCCCCGCTCCCGGAGCGCCACCGGAGAGCGAGGACGACGTGGAGGCGGAGTGGCGCCC GGCGAGGTAGCGCCAGGCGAGCTGGAGACCATGGCCAAAATGGAGGTGAAAACCTCACTT CTGGACAATATGATTGGAGTTGGGGATATGGTTCTTTTAGAACCCTCTCAATGAGGAGACC TTCATCAACAACCTCAAGAAGCGCTTTGACCACAGTGAAATATACACTTACATTGGAAGT GTGGTTATATCTGTTAACCCATATCGGTCTTTACCCATTTATTACCAGAGAAAAGTGAA GAATACAGGAACAGAAATTTTTATGAACTGAGCCCTCACATCTTTGCCCTTTCGGATGAA GCATACAGATCCCTACGAGATCAAGATAAGGACCAATGTATTCTCATTACTGGGAAAAGT GGAGCAGGAAAAACAGAGGCCAGTAAGCTTGTCATGTCCTATGTGGCAGCTGTTTGTGGA AAAGGAGCAGAAGTTAATCAAGTTAAAGAACAGCTTTTACAGTCCAACCCGGTCTGGGA GCTNTTGGAAATGCCAAAAGTGAAGGAAATGACTCCTCTAGATTTGGCAATATATGG ATATTGAANTTGACTNTAAGGCGATCCACTANNGAGAGNNTATAGTAACTATCTTTTAGA GAATCTCGGGTTGTTAACAGCCAAGAGGTTGAAGAAACTNNCATGTGTCTATCAGCTGCT CTCTGGTGCCTCTGAAGAGCTNCTCCATAACTTAACTGAGANAGGGAT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC021665
<b>Insert Size:</b>	8000 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC021665.1</a> , <a href="#">AAH21665.1</a>
<b>RefSeq Size:</b>	1326 bp
<b>RefSeq ORF:</b>	1326 bp
<b>Locus ID:</b>	4430
<b>Cytogenetics:</b>	2q32.3
<b>Domains:</b>	myosin_head

**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]