

## Product datasheet for **MC224105**

### Myo6 (NM\_001039546) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Myo6 (NM_001039546) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myo6
Synonyms:	BC029719; sv; Tlc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-Myc-DDK (PS100007)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>MC224105 representing NM_001039546 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGATGAAAGCCCGTTTGGGCACCCACCCACAGATGGATTCAGATGGCAATATTGTGGATA  
TTGGCCCTGACAGCTTAACAATTGAACCTTTGAACCAAAAGGCAAGACATTTTTGGCTCTATAAACCA  
AGTATTTCTGCAGAAGAGGACAGCAAAAAGATGTGGAAGATAACTGTTCACTGATGTACTTAAATGAA  
GCCACACTCTCCACAATGTCAAAGTTCGGTACAGTAAAGACAGAATCTATACATATGTGCCAACATTC  
TGATTGCAGTGAATCCATACTTTGATATACCTAAGATATATTCTTCAGATACAATAAAGTCATATCAAGG  
AAAATCTCTTGGGACGATGCCACCCATGTCTTTGCCATTGCTGATAAAGCTTTCCGAGACATGAAGGTG  
CTCAAGATGAGCCAGTCTATCATCGTATCTGGAGAATCAGGAGCTGGCAAAACAGAAAATACAAAGTTTG  
TTCTAAGATACCTGACAGAATCTTATGGAACAGGTCAAGATATTGATGATAGAATTGTTGAAGCGAATCC  
ACTTTTAGAAGCATTGGAAATGCAAAGACTGTTTCGCAACAATAATAGCAGTCGATTTGGAAAATTTGTA  
GAAATTCATTTCAATGAAAAGAGTTCGGTTGTTGGAGGATTTGTTCCCATACCTTCTAGAGAAGTCTA  
GGATCTGTGTTCAAGGCAAGAGGAGCGGAATTACCATATTTCTACAGGCTCTGTGCTGGGCTTCAGA  
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GTTCTTGAAGGATCCTCTATTAGACGACCATGGAGATTTTATCAGGATGTGCACAGCCATGAAAAAAAT  
TGGTTTGGATGATGAAGAAAACTTGATCTGTTTCGAGTTGTAGCTGGTGTCTGCACCTTGAAATATT  
GATTTTGAAGAGCCGGAAGCACTTCAGGTGGCTGCAATCTGAAGAACAATCTGCCCATCCCTGGAAT  
ACTGTGCTGAGCTGCTGGGCTTGGACCAAGATGATCTTCGAGTCAGTTTAAACACTCGAGTCATGCTCAC  
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GATGCTCTGGCAAAGACTGTCTATAGCCATCTCTTTGATCACGTGGTGAACAGGGTAAATCAGTGCTTTC  
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CTTCGAGCAATTTGTATCAACTATTGCAATGAGAACTCCAACAGTTTTTTAATGAAAGGATCCTGAAG



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GAGGAACAAGAAGTGTATCAGAAAGAGGGCCTGGGTGTTAATGAAGTCCATTACGTGGACAATCAGGACT  
GCATAGATTTAATCGAAGTGAAGTTAGTGGGGATCCTGGATATTCTGGATGAAGAAAATCGTCTTCCCA  
GCCGAGTGACCAGCACTTACGTCTGTGGTTCACCAGAAGCACAAGACCACTTCCGGCTCACTATTCCC  
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TCACCACTTCGAAGGCGCCAGATTCTGTCTCAACTTCAGTGTTGAGGTATGGTGTCTGTGTTGGACCTA  
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CACCATGATGACGAGGGAGCAGATACAGAAAGAGTATGATGCACTTGTTAAAAGCTCAGAAGATCTCCTC  
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AGAAAGAAAGGAAGAGGCGTGAAGAAGTGAAGAACGTCGGCGGAAGGAGGAAGAGGAGAGGCGGATGAA  
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ATCCAGGCTGAGGTGGAGGCACAGCTGGCAAGACAGCGGGAGGAGTCCAGCAGCAGGCGGTCTG  
CCCAGGAGTGCAGGGACAGGGAGTTGGCCCTGCGCATCGCCAGAACGATCGGAGCTCATCAGCGATGA  
GGCACAGGGTGACATGGCACTCCGAAGAGTCTGCGGTGCAAGCTACCAAGGCTGCTGCTGGTACCAAG  
AAACATGATCTCAGTAAATGAAAATACGCAGAAGTACGCGATACAATCAATACTTCTGTGACATTGAGC  
TCCTGGCAGCTTGCAGAGAAGAGTTTACAGGAGACTGAAAGTGTATCATGCTTGGAAATCCAAGAACA  
GAAAAGAAACACTGAGACCGAGCAGCGCTCCCAAGTCGGTTACTGATTATGATTTTGCACCATTTTTG  
AACATTCACCTCAGCAGAATCCCAGCTCAGCTCCCTGCCAGGCAGCAGGAGATTGACATGAAACGAC  
AGCAGCGTTTCTCCGCATCCCCTTCATCCGCCCTGGGACCAGTACAAAGACCCTCAGAACAAGAAAA  
GGGCTGGTGGTATGCCATTTTACGGACCCTGGATTGCTCGGCAGATGGAGCTGACCCCTGACAAGCCA  
CCCATCCTTCTGTAGCTGGCAAGGATGACATGGAGATGTGTGAGCTGAATCTCGAGGAGACGGGTCTGA  
CTCGCAAGCGTGGTGTGAGATCTTCCCAGACAGTTTGAAGAGATCTGGGAGCGTTGTGGAGGCATCCA  
GTACCTTCAGAGCGCCATTGAGAGCAGGACGGCCCGCCACCTATGCTACGGCCATGCTGCAGAACCTG  
CTCAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001039546  
**Insert Size:** 3789 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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\\_001039546.2](#), [NP\\_001034635.2](#)

**RefSeq Size:** 7868 bp

**RefSeq ORF:** 3789 bp

**Locus ID:** 17920

**Cytogenetics:** 9 43.98 cM