

Product datasheet for **MC225061**

Myh3 (NM_001099635) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myh3 (NM_001099635) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myh3
Synonyms:	MyHC-emb; Myhs; Myhs-; Myhs-e; Myhse
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225061 representing NM_001099635 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTAGCGACCCGAGATGGAAGTGTTGGCATAGCTGCACCTTTCCTCCGCAAGTCGGAAAAGGAGA
GGATCGAAGCTCAGAACCAGCCCTTTGATGCCAAAACCTACTGCTTTGTGGTTGACTCAAAGGAAGAATA
TGTC AAGGGGAAAATTAAGAGTAGCCAGGATGGGAAAGTCACTGTGGAGACAGAAGACAGCAGGACCTG
GTGGTTAAGCCAGAGGAGGTGTATGCCATGAACCCACCCAAGTTTGACAAGATTGAGGACATGGCCATGC
TGACCCACCTGAACGAGCCCGCTGTGCTGTACAACCTCAAGGACCGATACACGTCCTGGATGATCTACAC
CTATTCAGGCCTCTTCTGTGTCCTGTCACCCCTACAAATGGCTGCCAGTGTACAACCCCGAGGTGGTG
GACGGCTACCGAGGCAAAAAACGCCAGGAGGCTCCGCCCCACATCTTCTCCATCTCCGACAACGCCTACC
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 AACGGATGCCATCCAGCGCACGGAGGAGCTGGAGGAGGCCAAAAAAGCTTGGCAGCGCTTCCAGGAT
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 GAGGAACCTTGAACAAGTGTAGCTGAGTGAAGACGAAGTGTGAGGAGAGCCAAGCCGAGCTGGAGGCA
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 ATCCAGATGGCGCTGGAGGAAGCAGAGGACGCTTTGAGCACGAAGAAGCCAAGATTCTCCGGATCCAGC
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 CCTGGATGACGCTCTCCGGGGCCAGGAGGACCTGAAGGAGCAGCTGGCCATCGTGGAAACGACAGGCCAAC
 CTCCTGACAGGCTGAGGTGGAGGAGCTGCGGGCCACGCTGGAGCAGACGGAGAGGGCCCGAAGCTGGCAG
 AGCAGGAGCTGTTGGATTGCAATGAGAGGGTCCAGCTGCTGCACACCCAGAACACAAGCCTCATCCACAC

CAAGAAGAAGTTGGAGACTGACCTCACGCAGCTCCAGAGTGAGGTGGAGGATGCCTGCAGGGACGCAAGG
AATGCAGAGGAGAAGGCCAAAAAGGCCATCACTGACGCCGCCATGATGGCGGAGGAGCTGAAGAAGGAGC
AGGACACCAGCGCCACCTGGAGAGGATGAAGAAGAACCTGGAGCAGACGGTGAAGGACCTGCAGCACCC
TCTGGATGAGGCTGAGCAGCTGGCGCTGAAGGGCGGCAAGAAGCAGATTCAGAACTGGAGACACGGATC
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CAGAATCGCAAGTCAATAAACTGCGGGCAAAGACCCGTGACTTCACCTCTAGCCGGATGGTGGTCCATGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001099635
Insert Size:	5823 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:	<ol style="list-style-type: none">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:	<u>NM_001099635.1</u> , <u>NP_001093105.1</u>
RefSeq Size:	5992 bp
RefSeq ORF:	5823 bp
Locus ID:	17883
UniProt ID:	<u>P13541</u>
Cytogenetics:	11 40.59 cM
Gene Summary:	Myosin is a major contractile protein which converts chemical energy into mechanical energy through the hydrolysis of ATP. Myosin is a hexameric protein composed of a pair of myosin heavy chains (MYH) and two pairs of nonidentical light chains. This gene is a member of the MYH family and encodes a protein with an IQ domain and a myosin head-like domain. [provided by RefSeq, Sep 2015]