

Product datasheet for **MC229695**

Myh14 (NM_001271538) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myh14 (NM_001271538) Mouse Untagged Clone
Tag: Tag Free
Symbol: Myh14
Synonyms: 2400004E04Rik; II-C; NHMCII; NMHC II-C
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229695 representing NM_001271538
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGCTGCAGTGACCATGTCCGTGTCTGGGAGGAAGGTAGCCTCCAGGCCAGGCCGGTGCCTGAGGCAG
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 GACAAGTCTTTTGTGGAGAAGGTTGCCAGGAGCAGGGCAGCCACCCCAAGTCCAGCGCCCAGGAACC
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AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001271538
Insert Size:	6102 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001271538.1</u> , <u>NP_001258467.1</u>
RefSeq Size:	6515 bp
RefSeq ORF:	6102 bp
Locus ID:	71960
UniProt ID:	<u>Q6URW6</u>
Cytogenetics:	7 B3

Gene Summary:

Cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.