

## Product datasheet for MR226784

### Myh6 (NM\_001164171) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Myh6 (NM_001164171) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Myh6
Synonyms:	A830009F23Rik; AA517445; alpha-MHC; Myhc-a; Myhca
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226784 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
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AACCACCACATGTTTCGTGCTGGAGCAGGAGGAGTACAAGAAGGAGGGCATTGAGTGGGAGTTTATCGACC  
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**Protein Sequence:**

>MR226784 protein sequence  
 Red=Cloning site Green=Tags(s)

MTDAQMADFGAAQYLRKSEKERLEAQTRPFDIRTECFVPDDKKEEYVKAKVVSREGGKVT AETENKTVT  
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 AYRGKKRSEAPPHIFSIDNAYQYMLTDRENQSILITGESGAGKT VNTKRVIQYFASIAAIGDRSKKENP  
 NANKGTLEDQIIQANPALEAFGNAKTVRNDNSSRFGKFIRIHFGATGKLASADIETYLPKSRVIFQLKA  
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 ELQSALEEAESLEHEEGKILRAQLEFNQIKAEIERKLAEKDEEMEQAKRNHLRMVDSLQTS LQSLDAETRSR  
 NEALRVKKMEGDLNEMEIQLSQANRIASEAQH LKNSQAHLKDTQLQLDDAVHANDDLKENIAIVERRN  
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 VRELENELEAEQKRNAESVKGMRK SERRIKELTYQTEEDKKNLMRLQDLVDKLLQKV KAYKRQAE EAEQ  
 ANTYLSKFRKVVQHELDEAEERADIAESQVNKLRAKSRD IGAKKMHDEE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001164171

**ORF Size:** 5817 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

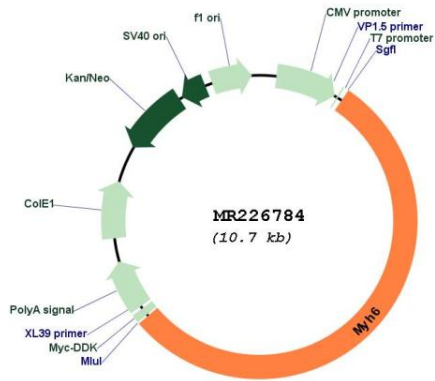
**RefSeq:** [NM\\_001164171.1](#), [NP\\_001157643.1](#)

**RefSeq Size:** 6079 bp

**RefSeq ORF:** 5817 bp

Locus ID: 17888  
 UniProt ID: [Q02566](#)  
 Cytogenetics: 14 28.01 cM  
 MW: 223.6 kDa  
 Gene Summary: Muscle contraction.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR226784