

Product datasheet for MR220412

Myh8 (NM_177369) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myh8 (NM_177369) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Myh8
Synonyms:	4832426G23Rik; AI327267; MHCp; Myh; MyHC-; MyHC-pn; Myhs; Myhs-p; Myhsp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220412 representing NM_177369 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

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Protein Sequence:

>MR220412 representing NM_177369
 Red=Cloning site Green=Tags(s)

MSAGSDAEMAIIFGEAAPYLKSEKERIEAQNKPFDAKTSVFVAEPKESYVKSVIQSKDGGKVTVKTESGA
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9101_e05.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_177369

ORF Size: 5811 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_177369.3](#), [NP_796343.2](#)

RefSeq Size: 6149 bp

RefSeq ORF: 5814 bp

Locus ID: 17885

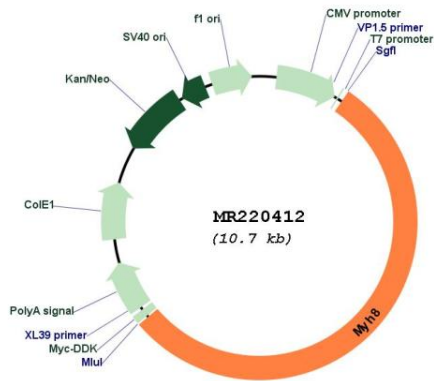
UniProt ID: [P13542](#)

Cytogenetics: 11 40.59 cM

MW: 222.7 kDa

Gene Summary: This gene encodes a myosin heavy chain. The encoded protein forms a hexamer with two heavy chains, two alkali light chains, and two regulatory light chain components. This complex functions in muscle contraction. This gene is located in a cluster of related genes on chromosome 11. [provided by RefSeq, Jun 2013]

Product images:



Circular map for MR220412