

## Product datasheet for RC213749

### Myosin (MYH2) (NM\_017534) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Myosin (MYH2) (NM_017534) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Myosin
Synonyms:	IBM3; MYH2A; MYHas8; MyHC-2A; MyHC-IIa; MYHSA2; MYPOP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213749 representing NM_017534 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
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**Protein Sequence:**

>RC213749 representing NM\_017534  
 Red=Cloning site Green=Tags(s)

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**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8029\\_e08.zip](https://cdn.origene.com/chromatograms/mk8029_e08.zip)

**Restriction Sites:**

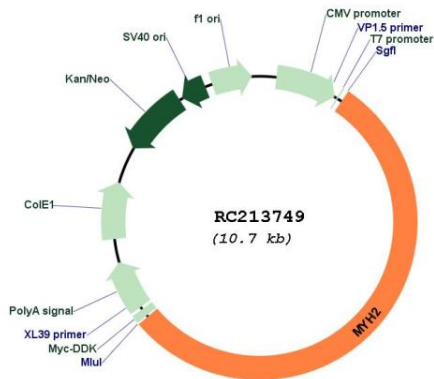
Sgfl-Mlul



**UniProt ID:** [Q9UKX2](#)  
**Cytogenetics:** 17p13.1  
**Protein Pathways:** Tight junction, Viral myocarditis  
**MW:** 222.9 kDa

**Gene Summary:** Myosins are actin-based motor proteins that function in the generation of mechanical force in eukaryotic cells. Muscle myosins are heterohexamers composed of 2 myosin heavy chains and 2 pairs of nonidentical myosin light chains. This gene encodes a member of the class II or conventional myosin heavy chains, and functions in skeletal muscle contraction. This gene is found in a cluster of myosin heavy chain genes on chromosome 17. A mutation in this gene results in inclusion body myopathy-3. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Sep 2009]

### Product images:



Circular map for RC213749