

Product datasheet for **MR201424**

MyI1 (BC059087) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MyI1 (BC059087) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: MyI1
Synonyms: MLC1f, MLC3f
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR201424 representing BC059087
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTTCAGTGCTGACCAGATTGCCGACTTCAAGGAGGCATTTCTCTGTTTGACAGAACAGGTGAAT
GCAAGATCACCTTAAGTCAGGTGGGAGACGTCTCCGGGCTCTGGGCACCAATCCCACCAATGCAGAGGT
CAAGAAGTTCTTGGAAACCCAGCAATGAAGAGATGAATGCTAAGAAAATCGAGTTTGAACAGTTTCTG
CCCATGATGCAAGCTATCTCCAACAACAAGGACCAGGGAGGTTATGAAGATTTCTGTTGAGGTCTGCGTG
TCTTCGACAAGGAGGGCAATGGCACCGTCATGGGTGCTGAACTCCGCCATGTCCTCGCCACTCTGGGAGA
GAAGATGAAGGAGGAAGAGGTAGAAGCGTTGCTGGCAGGCCAGGAGGACTCCAATGGCTGCATCAACTAT
GAAGGTACAGCCAGCCTCACCTCATTAAGGAGAGATTCATTTTCAACTTTATTTTCTCTTCTATTGA
CATATATGACTTATTATAAA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201424 representing BC059087
Red=Cloning site Green=Tags(s)

MSFSADQIADFKEAFLLFDRTGECKITLSQVGDVLRALGTNPTNAEVKKVLGNPSNEEMNAKKIEFEQFL
PMMQAIISNNKDQGGYEDFVEGLRVFDKEGNGTVMGAELRHVLATLGEKMKEEEVEALLAGQEDSNGCINY
EGTASLTLRDSFSTLFSSSLLTYMTYK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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>BC059087.1</u>
RefSeq Size:	649 bp
RefSeq ORF:	512 bp
Locus ID:	17901
Cytogenetics:	1 33.71 cM
MW:	23.8 kDa
Gene Summary:	Myosin is a hexameric ATPase cellular motor protein. It is composed of two heavy chains, two non-phosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene encodes a myosin alkali light chain expressed in fast skeletal muscle. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]