

Product datasheet for **MG202120**

Myl3 (NM_010859) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myl3 (NM_010859) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Myl3
Synonyms: MLC1s; MLC1v; Mylc; VLC1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202120 representing NM_010859
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCCAAAAGCCAGAGCCCAAGAAGGATGATGCCAAAGCGGCTGCCCAAGCAGCTCCAGCTC
 CTGCGGCTGCACCTGCAGCTGCACCTGCGGCTGCACCAGAGCCTGAGCGCCCAAGGAAGCCGAGTTTGA
 TGCCTCCAAGATTAAGATCGAGTTCACACCTGAACAGATTGAAGAGTTCAAGGAGCCTTCTGCTGTT
 GACCGCACACCAAGGGCGAGATGAAGATCACATACGGGCAGTGTGGGGATGTCTGCGGGCTCTGGGT
 AGAATCCTACCCAGGCAGAGGTGCTCCGTGTCCTGGGGAAGCCAAAACAGGAAGAGCTCAATTCCAAGAT
 GATGGATTTTGAACGTTCTGCTATGCTCCAGCACATCTCAAGAACAAGGACTGGCACGTACGAG
 GACTTCGTGGAGGGGCTGCGGGTCTTCGACAAGGAGGGCAACGGCACGGTCATGGGTGCAGAGCTCCGAC
 ACGTGTGGCCACGCTGGGTGAGAGACTGACAGAAGATGAGGTAGAGAACTGATGGCTGGTCAAGAGGA
 CTCCAACGGCTGCATCAACTATGAAGCGTTTGTGAAGCATATCATGGCGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202120 representing NM_010859
 Red=Cloning site Green=Tags(s)

MAPKKPEPKDDAKAAAPKAAPAPAAAPAAAPAAPEPERPKAEFDASKIKIEFTPEQIEEFKEAFLLF
 DRTPKGEMKITYGQCGDVLRALGQNPTQAEVLRVLGKPKQEELNSKMMDFETFLPMLQHISKNKDTGYE
 DFVEGLRVFDKEGNGTVMGAELRHVLA TLGERL TEDEVKLMAGQEDSNGCINYEAFVKHIMAS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



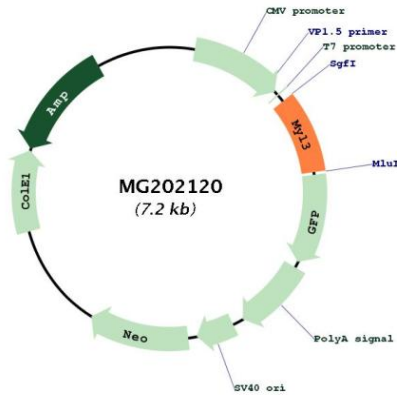
[View online »](#)

Cloning Scheme:


- ACCN:** NM_010859
- ORF Size:** 612 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_010859.3](#)
- RefSeq Size:** 898 bp
- RefSeq ORF:** 615 bp
- Locus ID:** 17897
- UniProt ID:** [P09542](#)
- Cytogenetics:** 9 60.69 cM

Gene Summary: Regulatory light chain of myosin. Does not bind calcium.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202120