

Product datasheet for **RG201068**

MYLC2PL (MYL10) (NM_138403) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | MYLC2PL (MYL10) (NM_138403) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | MYL10 |
| Synonyms: | MYLC2PL; PLRLC |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG201068 representing NM_138403 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGCTTAGGCTGGTCTCAAACCTCTGGCCTCAAGTGATCCTCCCTCCTCGGCCTCCCAAAGTGCTGG
GATTACAGGCACCGAGAAGAGCTCGAAAAGAGCAGAAGGCACCGCCAGCTCCAACGTCTTCTCCATGTT
TGATCAGTCCCAGATCCAGGAGTTAAAGAGAGTCTGGCTCTGTCGCCAGGCTGGAGCGCAATGGCATG
ATCTCGGCTCACTGCAACCTCTGCCTCACGGTTCAAGCAATTCTCTGCCTCAGCCTCCCAAGCTTCA
CCATCATGGACCAGAACCGTGATGGCTTCATCGACAAAGAGGACTTGAGGGACACCTTTGCCGCGCTGGG
CCGCATCAATGTCAAGAACGAGGAACCTGGAGGCCATGGTGAAGGAGGCCCGGACCCATCAACTTCAGG
GTGTTCTGACCATGTTTGGGGAGAAGCTGAAGGGCACGACCCAGAGGAGACCATTCTCCACGCCTTCA
AAGTGTTCGACACTGAAGGGAAAGGTTTCGTCAAGGCCGATGTCATCAAAGAAAACTTATGACCCAGGC
AGACCGCTTCAGTGAGGAGGAGGTCAAGCAGATGTTTGCAGCGTTTCCCCAGATGTGTGCCGCAACCTG
GACTACAGAAACCTGTGCTACGTCATCACTCACGGTGAAGAGAAGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201068 representing NM_138403
Red=Cloning site Green=Tags(s)

MLLRLVSNWPQVILPPRPPKVLGLQAPRRARKRAEGTASSNVFSMFDQSQIQEFKESLALSPRLRNGM
 ISAHCNLCLTGSSNSPASASQAF TIMDQNRDGF IDKEDLRDTFAALGRINVKNEELEAMVKEAPGPINFT
 VFLTMFGEKLGTDPEETILHAFKVFDTGKGFVKADVIKEKLMTQADRFSEEEVKQMF AAFPDPVCGNL
 DYRNLCYVITHGEEKD

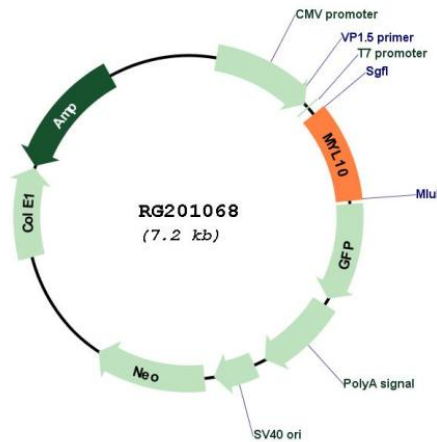
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_138403

ORF Size: 678 bp

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| 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: | <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: | NM_138403.3 , NP_612412.2 |
| RefSeq Size: | 681 bp |
| RefSeq ORF: | 681 bp |
| Locus ID: | 93408 |
| UniProt ID: | Q9BUA6 |
| Cytogenetics: | 7q22.1 |
| Protein Pathways: | Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton, Tight junction |