

Product datasheet for **RG206449**

MYL7 (NM_021223) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MYL7 (NM_021223) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MYL7
Synonyms: MYL2A; MYLC2A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206449 representing NM_021223
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCAGGAAGGCGGGGACCCGGGGCAAGGTGGCAGCCACCAAGCAGGCCCAACGTGGTTCTTCCA
ACGTCTTTTCCATGTTTGAACAAGCCCAGATACAGGAGTTCAAAGAAGCCTTCAGCTGTATCGACCAGAA
TCGTGATGGCATCATCTGCAAGGCAGACCTGAGGGAGACCTACTCCAGCTGGGAAGGTGAGTGTCCCA
GAGGAGGAGCTGGACGCCATGCTGCAAGAGGGCAAGGGCCCCATCAACTTCACCGTCTTCTCACGCTCT
TTGGGGAGAAGCTCAATGGGACAGACCCCGAGGAAGCCATCCTGAGTGCCTTCCGCATGTTTGACCCAG
CGCAAAGGGGTGGTGAACAAGGATGAGTTCAAGCAGCTTCTCCTGACCCAGGCAGACAAGTTCTCTCCA
GCTGAGGTGGAGCAGATGTTTCGCCCTGACACCCATGGACCTGGCGGGGAACATCGACTACAAGTCACTGT
GCTACATCATACCCATGGAGACGAGAAAGAGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206449 representing NM_021223
Red=Cloning site Green=Tags(s)

MASRKAGTRGKVAATKQQRGSSNVFSMFEQAQIQEFKEAFSCIDQNRDGIICKADLRETYSQLGKYSVP
EEELDAMLQEGKGPINFTVFLTLFGEKLNKTDPEEAILSAFRMFDPSGKGVVKNKDEFKQLLLTQADKFS
AEVEQMFALTPMDLAGNIDYKSLCYIITHGDEKEE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_021223

ORF Size: 525 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_021223.3](#)

RefSeq Size: 619 bp

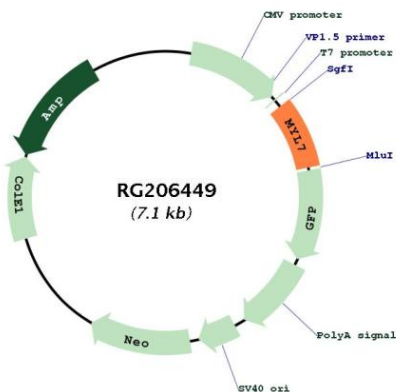
RefSeq ORF: 528 bp

Locus ID: 58498

UniProt ID: [Q01449](#)

Cytogenetics: 7p13
 Protein Families: Druggable Genome
 Protein Pathways: Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton, Tight junction

Product images:



Circular map for RG206449