

Product datasheet for **RG201746**

MLF2 (NM_005439) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | MLF2 (NM_005439) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | MLF2 |
| Synonyms: | NTN4 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG201746 representing NM_005439 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCGCTTCATGAGGGACGTGGAGCCTGAGGATCCCATGTTCTGATGGATCCCTTTGCTATTCACC
GTCAGCATATGAGCCGTATGTTGTCAGGTGGCTTTGGATATAGCCCTTCCTCAGCATCACAGATGGCAA
CATGCCAGGGACCAGGCCTGCCAGCCGCCGGATGCAGCAGGCTGGAGCTGTCTCCCCTTTGGGATGCTG
GGAATGTCGGGTGTTTCATGGACATGTTGGGATGATGAATGACATGATTGAAACATGGAACACATGA
CAGCTGGAGGCAATTGCCAGACCTTCTCATCTTCCACTGTCATCTCCTACTCCAATACGGGTGATGGTGC
CCCAAGGTCTACCAAGAGACATCAGAGATGCGCTCGGCACCAGGCGGGATCCGGGAGACACGGAGGACT
GTTCCGGGATTCAGACAGTGGACTGGAGCAGATGTCCATTGGGCATCACATCCGGGACAGGGCTCACATCC
TCCAGCGCTCCCGAAACCATCGCACGGGGGACCAGGAGGAGCGGCAGGACTATATCAACCTGGATGAGAG
TGAGGCCGACGCTTTGATGACGAGTGGCGGGGAGACCTCCCGATTCCGGCAGCAGCGTCCCCTGGAG
TTTCGGCGGCTTGAGTCTCAGGGGCTGGGGGACGAAGGGCGGAGGGGCTCCCCGCTGGCCATCCAGG
GACCTGAGGACTCCCCTCCCGACAGTCCCGCCGCTATGACTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201746 representing NM_005439
 Red=Cloning site Green=Tags(s)

MFRFMRDVEPEDPMFLMDPF AIHRQHMSRMLSGGFGYSPFLSITDGNMPGTRPASRRMQQAGAVSPFGML
 GMSGGFMDMFGMMNDMIGNMEHMTAGGNCQTFSSSTVISYSNTGDGAPKVVYQETSEMRSAPGGIRETRRT
 VRDSDSGLQMSIGHHIRDRAHILQRSNRHRTGDQEERQDYINLDESEAAAFDDEWRRETSRFRQQRPLE
 FRRLESSGAGGRRAEGPPRLAIQGPEDSPSRQSRRYDW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005439

ORF Size: 744 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_005439.2](#)

RefSeq Size: 1545 bp

RefSeq ORF: 747 bp

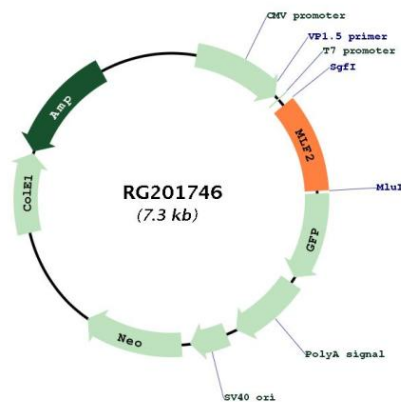
Locus ID: 8079

UniProt ID: [Q15773](#)

Cytogenetics: 12p13.31

Protein Families: Transmembrane

Product images:



Circular map for RG201746