

## Product datasheet for **MG220405**

### Mlf2 (NM\_145385) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mlf2 (NM\_145385) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Mlf2  
**Synonyms:** AI256856; AU018944; C77284  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG220405 representing NM\_145385  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTCCGCTTCATGAGGGACGTGGAGCCTGAGGATCCCATGTTCTGATGGACCCCTTCGCAATTCACC  
 GTCAGCACATGAGCCGCATGTTGTCAGGCGGCTTTGGATATAGCCCCTTCCTGAGCATCACAGATGGTAA  
 CATGCCAGCAACCAGGCCTGCCAGCCGAGGATGCAGGCTGGGGCTGTCTCTCCCTTCGGGATGTTGGGA  
 ATGTCCGGCGGTTTCATGGACATGTTTGGGATGATGAACGACATGATCGGAACATGGAGCATGGCTG  
 CAGGGGGCAACTGCCAGACCTTCTCCTCCTCCACTGTTATCTCCTACTCCAACACTGGGGACGGCGGCC  
 CAAGGTTTACCAGGAGACGTCGGAGATGCGCTCTGCCCCAGGCGGGATCCGGGAGACACGGAGGACTGTC  
 CGGGACTCAGACAGTGGTCTAGAGCAGATGTCCATTGGGCATCACATTCGGGATAGGGCTCACATCCTCC  
 AGCGCTCCCGAAACCACCGCACAGGGGACCAGGAAGAGCGGCAGGACTACATCAACCTGGATGAAAGTGA  
 GGCAGCAGCATTTGATGATGAATGGAGAAGGGAGACATCCCGATACAGACAGCAGCGTCTCTGGAATTT  
 CGACGGCATGAGGCATCTGTGGTGGGGGCGAAGGGCTGAGGGGCTCCCGCCTGGCGATCCAGGGAC  
 CTGAGGACTCCCCCTCCCGACAGTCCCCTCGTTATGACTGG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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Protein Sequence: >MG220405 representing NM\_145385  
 Red=Cloning site Green=Tags(s)

MFRFMRDVEPEDPMLDPFAIHRQHMSRMLSGFGYSPFLSITDGNMPATRPASRRMQAGAVSPFGMLG  
 MSGGFMDMFGMMNDMIGNMEHMAAGNCQTFSSSTVISYNTGDGAPKVYQETSEMRSAPGGIRETRRTV  
 RDSDSLGLQMSIGHHIRDRAHILQSRNRHRTGDQEEERQDYINLDESEAAAFDDEWRRETSRYRQQRPLEF  
 RRHEASVGGGRRAEPPRLAIQGPEDSPSRQSRRYDW

TRTRPLE - GFP Tag - V

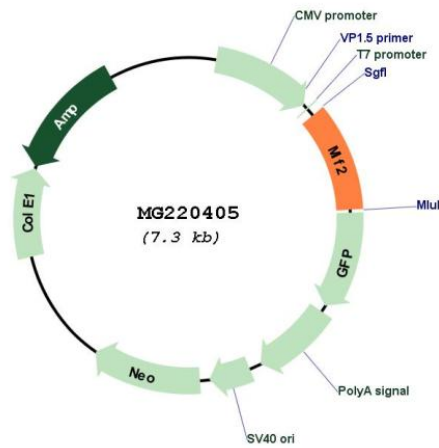
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_145385

ORF Size: 741 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_145385.2</a> , <a href="#">NP_663360.1</a>
<b>RefSeq Size:</b>	1551 bp
<b>RefSeq ORF:</b>	744 bp
<b>Locus ID:</b>	30853
<b>UniProt ID:</b>	<a href="#">Q99KX1</a>
<b>Cytogenetics:</b>	6 F2