

## Product datasheet for **MG205911**

### Mterf1b (NM\_001042670) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mterf1b (NM_001042670) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mterf1b
Synonyms:	ENSMUSG00000053178; Gm9897
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205911 representing NM_001042670 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCATCAAGAAACATCTGGTGTGTGAGAAGAACTTTCTCTTTGATTTAAGAGACTGGATGCTTCAAT  
 ATTCAGCAGAAGTTTTCTCAAGTCGATTTTCATTCCAGGCCGTTTAGTGCGGAATGCGACAGTAAGGACAA  
 GGAGTCTTTGGAGGAGGAGAGGGAGGACCTGCTGAGCACTTAGTCACCATGGGCGTTGATATCGACATG  
 GCAAGGAGGCGACAGCCTGGAGTTTTTAAACAAGGCTGTACGAATGAGCAGGAGCTGAAGTTATTCCTTC  
 TGCCAAGGGAGCTAGTGACAAAGTGATTGGTAGCATCATCAAGATATCCACGAGCTATAACACGCAC  
 TCCTGAAAGTCTTTCAAACGGTGGGATCTGTGGAGAAAGATTATGGCATCAGACCTTGAAATTGTAAT  
 ATTTTGGAGCGTCTCCTGAATCTTTTTTCGATCTAATAACAATCTAAACTTAGAGAATAATATAAAGT  
 TCCTTTGCTCTGTTGGATTGACTCATAAATGCCTCTGCAGACTGTTGACCAATGCTCCCAGAACCTTCTC  
 CAACAGTCTGAATTTGAATAAGCAAAATGGTTGAATTTTTGCAGGAGACTGGTATGTCCTTAGGTCACAA  
 TATCCCAGAGATTTTGTGAGGAAGATAATTTCTAAAAACCCTTCCATCTTAATTCAGAGCACCAAACGTG  
 TGAAAACATAACATTGAATTTTTACAATCACTTCAACTGAACAAAACGGGACCTGCTGCTTCTGATATG  
 AGGCTGCTTTCTCTGGATGCAGCGAGGAGGAGGTACAGAGGTTTGCCTAAGCTATCTGAATATGGTCT  
 TCTTGTGAGAAAAAGTTTAAATGATAAAAATAGACTGCCTTATAGAAGAAAAAATCAGTGTTCACAAAT  
 AATTGAAAATCCGAGATTTTACTCCAGCATAAATACTTTAAAAACTCGCATCCGAGAGCTGTCCCAT  
 GCTGGGTATGACTTGAGCACATCCAGCATTGCTGTCTGCTGTCTGGAGTCAGAGAAGATATGAAGCTAAAC  
 TGAAGAGATTATGTGGA

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG205911 representing NM\_001042670  
 Red=Cloning site Green=Tags(s)

MASRNIWCVRRNFLFDLRDWMQLQYSAEVFLKSI SFRPFSAECD SKDKESLEEEREDLLSNLVTMGVDIDM  
 ARRRQPGVFNKAVTNEQELKFLLSKGASDKVIGSII SRYPRAITRTPESLSKRWDLWRKIMASDLEIVN  
 ILERSPEFFRSNNLNLNLENNIKFLCSVGLTHKCLCRLL TNAPRTFSNSLNLNKQMVFLQETGMSLGHN  
 DPRDFVRKII SKNPSILIQSTKRKVTNIEFLQSTFNLNKRDL LLLICGPGARILDLSNDCTKKNYTNIRE  
 RLLSLGCSEEEVQRFLSYLNMVFLSEKKFNDKIDCLIEEKISASQI IENPRILDSSINTLKTIRELSH  
 AGYDLSTSSIALLSWSQRRYEAKLRKLCG

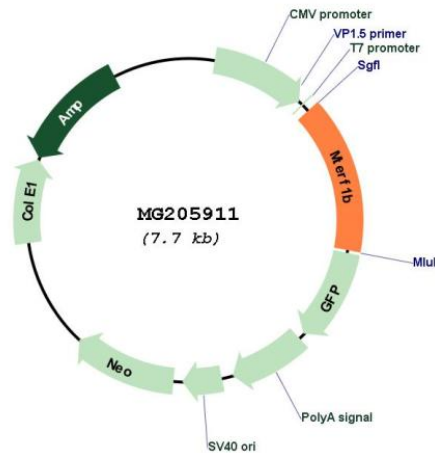
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001042670

<b>ORF Size:</b>	1143 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_001042670.1</a> , <a href="#">NP_001036135.2</a>
<b>RefSeq Size:</b>	1368 bp
<b>RefSeq ORF:</b>	1146 bp
<b>Locus ID:</b>	208595
<b>UniProt ID:</b>	<a href="#">B9EJ57</a>
<b>Cytogenetics:</b>	5
<b>Gene Summary:</b>	Transcription termination factor. Binds to a 28 bp region within the tRNA(Leu(uur)) gene at a position immediately adjacent to and downstream of the 16S rRNA gene; this region comprises a tridecamer sequence critical for directing accurate termination. Binds DNA along the major groove and promotes DNA bending and partial unwinding. Promotes base flipping. Transcription termination activity appears to be polarized with highest specificity for transcripts initiated on the light strand.[UniProtKB/Swiss-Prot Function]