

## Product datasheet for **MG223014**

### Tbpl1 (NM\_011603) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tbpl1 (NM\_011603) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Tbpl1  
**Synonyms:** 4732475G08; AW011832; AW491032; D18347; STD; TLF; Tlp; TRF2; TRP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG223014 representing NM\_011603  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGCAGACAGTGATGTTGCATTGGACATTTAATTACAAATGTAGTCTGTGTTTTAGAACAAGAT  
GCCATTTGAAGCTAAGGAAGATTGCTTTGGAGGGAGCAAATGTAATTTATAAGCGTGATTTGGGAAAGT  
ATTAATGAAGCTTAGAAAACCTAGAATTACAGCTACAATTTGGTCCTCAGGAAAAATTTTGCCTGGA  
GCAACAAGTGAAGAAGAAGCTAAATTTGGTGCCAGACGTTTAGCCCGTAGTCTGCAGAACTAGGTTTTT  
AGGTCATCTTACAGATTTAAGGTGGTGAATGTTTTGGCAGTGTGAACATGCCCTTTGAGATCCGTTT  
GCCAGAATTTACAAAGAACAATAGACCTCATGCCAGCTATGAACCTGAACCTCATCTGCGGTGTGCTAT  
CGGATAAAGTCTCTAAGAGCTACATTACAGATATTTTCAACAGGAAGCATCACAGTGACAGGGCCCAATG  
TAAAGGCTGTGGCGACTGCCGTGGAACAGATCTACCCGTTGTTGAAAGCAGGAAGGAGATTTTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG223014 representing NM\_011603  
Red=Cloning site Green=Tags(s)

MDADSDVALDILITNVVCFRTRCHLNLRKIALEGANVIYKRDVGKVLMLRKPRIATIWSSGKIICTG  
ATSEEEAKFGARRLARSQKLGQVIFTFDFKVVNVLAVCNMPFEIRLPEFTKNNRPHASYPELHPAVCY  
RIKSLRATLQIFSTGSITVTGPNVKAVATAVEQIYPVFESRKEIL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

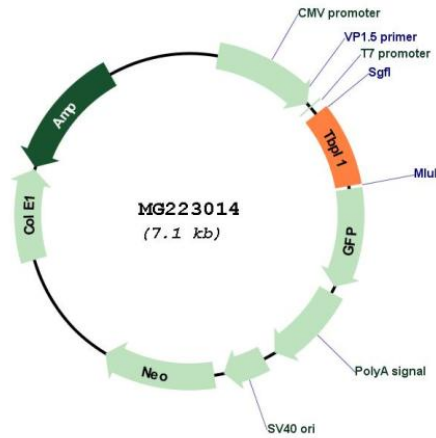


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_011603

ORF Size: 558 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.

<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>	<u><a href="#">NM_011603.5</a></u> , <u><a href="#">NP_035733.1</a></u>
<b>RefSeq Size:</b>	2880 bp
<b>RefSeq ORF:</b>	561 bp
<b>Locus ID:</b>	237336
<b>UniProt ID:</b>	<u><a href="#">P62340</a></u>
<b>Cytogenetics:</b>	10 A3
<b>Gene Summary:</b>	Part of a specialized transcription system that mediates the transcription of most ribosomal proteins through the 5'-TCT-3' motif which is a core promoter element at these genes (By similarity). Seems to also mediate the transcription of NF1. Does not bind the TATA box. [UniProtKB/Swiss-Prot Function]