

## Product datasheet for **MG226540**

### Tmpo (NM\_001080130) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmpo (NM_001080130) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmpo
Synonyms:	5630400D24Rik; AI195756; AI606875; AW214352; AW547477; LAP2; TP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226540 representing NM_001080130 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGGAGTTCTAGAGGACCCCTCGGTCTGACCAAAGACAAGTTGAAGAGCGAGTTGGTCGCCAACA  
ACGTGACGCTCCCGCCGGCGAGCAGCGCAAGGACGTGTACGTGCAGCTCTACCTGCAGCACCTCACGGC  
GCGCAACCGCCCGCTCGCCGCGGGAGCCAACAGCAAAGGGCCCGCGACTTCTCGAGCGACGAGGAG  
CGCGAGCCACGCCGGTCTCGGCTCCGGGCCCTCGTGGTTCGCGCCCGCGCCGCTCGGCAGGAAAG  
CCACAAAGAAAAGTATAAGCCAGGCTAGAAGATAAAGATGATCTGGATGTGACAGAGCTCTAATGA  
AGAACTTCTGGATCAGCTTGAAGATATGGAGTGAATCCTGGTCCATTGTGGAAACAACCGGAAGCTA  
TATGAGAAGAAGCTGTTGAAGCTGAGGGAGCAGGGAATGAATCGAGATCCTCTACTCCTTCCAACAG  
TCTCTTCTCTGCAGAAAACACAAGGCAGAATGGAAGTAACTGACTCTGACAGATACAGCGACAATGATGA  
AGACTCTAAAAAGAGCTGAAGCTTGAAGAGGGAGCCGCTAAAGGGCAGAGCCAAGACGCCAGTCACA  
CTGAAGCAGAGAAGGACTGAGCACAATCAGGTGGAATTCACAGCATTTTCGTATAGATGGTGCAGTAA  
TTTCAGAGAGTACTCCCATAGCTGAAACTATAAAGGCTCAAGCAACGAATCCTTAGTGGCAATAGGTT  
GACTGGAATTTCAAGCATGCATCTTCTATTCTGCCAATCACTGAATTCTCAGACATAACCAGAAGAACA  
CCAAAGAAACATTGACAAGAGCTGAAGTGGGAGAAAAACAGAGGAGCGAAGAGTAGACAGGGATTTTC  
TTAAGGAAATGTTCCCTACGAAGCCTCCACTCCGACGGGAATCAGTGCTAGCTGCCGACAGCAATCAA  
AGGTGCTGCAGGCCGCGCTCGAGCTCAGTGACTTCAGGATGGAAGAGTCGTTCTCATCTAAGTACGTC  
CCGAAGTATGCTCCCTTGGCAGATGTCAAGTCAGAAAAGACAAAGAAGAGACGCTCCGTTCCCATGTGGA  
TAAAAATGTTGCTGTTTGCCTTGTGGCCGTGTTTTGTTTTGGTCTATCAAGCTATGGAACCAACCA  
AGGAAATCCCTTCACTAATTTCTTCAAGATACTAAAATATCCAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG226540 representing NM\_001080130  
 Red=Cloning site Green=Tags(s)

MPEFLEDPSVLTKDKLKSELVANNVTLPAGEQRKDVYVQLYLQHLTARNRPPLAAGANSKGPDPDFSSDEE  
 REPTPVLGSGASVGRGRGAVGRKATKTKDKPRLEDKDDLDVTEL SNEELLDQLVRYGVNPGPIVGTTRKL  
 YEKKLLKLRREQTESRSSTPLPTVSSAENTRQNGSNDSDRYSDNDEDSKIELKLEKREPLKGRAKTPVT  
 LKQRRTEHNQVETSQHFRIDGAVISESTPIAETIKASSNESLVANRLTGNFKHASSILPITEFSDITRRT  
 PKKPLTRAEVGEKTEERRVDRDILKEMFPYEASTPTGISASCRRPIKGAAGRPLELSDFRMEESFSSKYV  
 PKYAPLADVKSEKTKRRSVPMWIKMLLFALVAVFLFLVYQAMETNQGPNFTNFLQDTKISN

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001080130

**ORF Size:** 1236 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\\_001080130.2](#), [NP\\_001073599.1](#)

**RefSeq Size:** 3413 bp

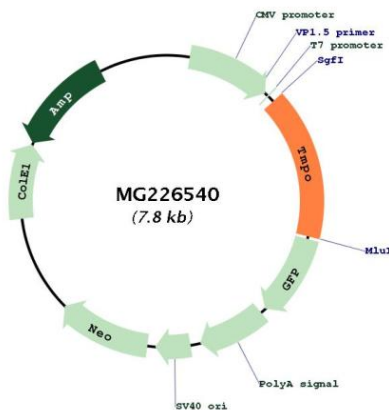
**RefSeq ORF:** 1239 bp

**Locus ID:** 21917

**Cytogenetics:** 10 45.66 cM

**Gene Summary:** May be involved in the structural organization of the nucleus and in the post-mitotic nuclear assembly. Plays an important role, together with LMNA, in the nuclear anchorage of RB1 (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG226540