

## Product datasheet for **MC215971**

### **Tmpo (NM\_001080129) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmpo (NM_001080129) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmpo
Synonyms:	5630400D24Rik; AI195756; AI606875; AW214352; AW547477; LAP2; TP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC215971 representing NM\_001080129  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCGGAGTTCTAGAGACCCTTCGGTCTGACCAAAGACAAGTTGAAGAGCGAGTTGGTCGCCAACA  
 ACGTGACGCTCCCGGCCGCGAGCAGCGCAAGGACGTGTACGTGCAGCTCTACCTGCAGCACCTCACGGC  
 GCGCAACCGGCCCGCTCGCCGCGGGAGCCAACAGCAAAGGGCCGCCGACTTCTCGAGCGACGAGGAG  
 CGCGAGCCACGCCGGTCTCGGCTCCGGGGCCTCCGTGGGTCGCGGCCGCGCGCCGTCGGCAGGAAAG  
 CCACAAAGAAAAGTATAAGCCAGGCTAGAAGATAAAGATGATCTGGATGTGACAGAGCTCTCTAATGA  
 AGAACTTCTGGATCAGCTTGAAGATATGGAGTGAATCCTGGTCCATTGTGGGAACAACCGGAAGCTA  
 TATGAGAAGAAGCTGTTGAAGCTGAGGGAGCAGGGAAGTGAATCGAGATCCTCTACTCTCTTCCAACAG  
 TCTTCTCTGCGAGAAAACACAAGGCAGAATGGAAGTAACGACTCTGACAGATACAGCGACAATGATGA  
 AGACTCTAAAATAGAGCTGAAGCTTGAAGAGGGAGCCGCTAAAGGGCAGAGCCAAGACGCCAGTCACA  
 CTGAAGCAGAGAAGGACTGAGCACAATCAGAGCTATTCTCAAGCTGGAGTAACTGAGACTGAATGGACGA  
 GTGGATCTTCAACAGGCCGACCTCTGCAGGCATTAAGTGGGAGTCCACGAGAGGGTCGAGAAGAACTCC  
 AAGGAAAAGGGTGGAACTTCACAGCATTTTCGTATAGATGGTGCAGTAATTCAGAGAGTACTCCATA  
 GCTGAAACTATAAAGGCTTCAAGCAACGAATCCTTAGTGGCCAATAGGTTGACTGGAAATTTCAAGCATG  
 CATCTTCTATTCTGCCAATCACTGAATTCAGACATAACCAGAAGAACACCAAAGAAACATTGACAAG  
 AGCTGAAGTGGGAGAAAAACAGAGGAGCGAAGAGTAGACAGGGATATCTTAAGGAAATGTTCCCTAC  
 GAAGCCTCCACTCCGACGGGAATCAGTGCTAGCTGCCGACAGCCAATCAAAGTGCTGCAGGCCGCGCCG  
 TCGAGCTCAGTGACTTCAGGATGGAAGAGTCGTTCTCATCTAAGTACGTCGCCGAAGTATGCTCCCTGGC  
 AGATGTCAAGTCAGAAAAGACAAAGAAGAGACGCTCCGTTCCCATGTGGATAAAAAATGTTGCTGTTGCC  
 CTGTGGCCGTGTTTTGTTTTGGTCTATCAAGCTATGGAAACCAACCAAGGAAATCCCTTCACTAATT  
 TTCTTCAAGATACTAAAATATCCAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001080129
- Insert Size:** 1359 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_001080129.2](#), [NP\\_001073598.1](#)

RefSeq Size: 3611 bp

RefSeq ORF: 1359 bp

Locus ID: 21917

UniProt ID: [Q61029](#)

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]

Transcript Variant: This variant (3) contains most exons of this gene and encodes isoform (epsilon). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.