

## Product datasheet for **MC209538**

### Tmpo (NM\_001080131) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmpo (NM\_001080131) 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  
**Fully Sequenced ORF:** >MC209538 representing NM\_001080131  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGGAGTTCCTAGAGGACCCTTCGGTCTGACCAAAGACAAGTTGAAGAGCGAGTTGGTCGCCAACA  
ACGTGACGCTCCCGCCGGCGAGCAGCGCAAGGACGTGTACGTGCAGCTCTACCTGCAGCACCTCACGGC  
GCGCAACCGGCCCGCTCGCCGCGGGAGCCAACAGCAAAGGGCCGCCGACTTCTCGAGCGACGAGGAG  
CGCGAGCCACGCGGTGCTCGGCTCCGGGCTCCGTGGTTCGCGGCCGCGCGCGCTGCGCAGGAAAG  
CCACAAAGAAAAGTATAAGCCAGGCTAGAAGATAAAGATGATCTGGATGTGACAGAGCTCTCTAATGA  
AGAAGTCTGGATCAGCTTGAAGATATGGAGTGAATCCTGGTCCATTGTGGGAACAACCAGGAAGCTA  
TATGAGAAGAAGCTGTTGAAGCTGAGGGAGCAGGGAAGTGAATCGAGATCCTCTACTCTTCCAACAG  
TCTTCTCTGCGAGAAAACACAAGGCAGAATGGAAGTAACTGACAGATACAGCGACAATGATGA  
AGACTCTAAAATAGAGCTGAAGCTTGAAGAGGGAGCCGCTAAAGGGCAGAGCCAAGACGCCAGTCACA  
CTGAAGCAGAGAAGGACTGAGCACAATCAGGTGCGCAATAGGTTGACTGGAAATTTCAAGCATGCATCTT  
CTATTCTGCCAATCACTGAATTCAGACATAACCAGAAGAACACCAAAGAAACCATTGACAAGAGCTGA  
AGTGGGAGAAAAACAGAGGAGCGAAGAGTAGACAGGGATATTCTTAAGGAAATGTTCCCTACGAAGCC  
TCCACTCCGACGGGAATCAGTGCTAGCTGCCGACAGCAATCAAAGGTGCTGACGCGCGCCGCTCGAGC  
TCAGTGACTTCAGGATGGAAGAGTCTTCTCATCTAAGTACGTCCGAAGTATGCTCCCTTGGCAGATGT  
CAAGTCAGAAAAGACAAAGAAGAGACGCTCCGTTCCCATGTGGATAAAAAATGTTGCTGTTTGCCTTGTG  
GCCGTGTTTTTGTGTTTGGTCTATCAAGCTATGGAACCAACCAAGGAAATCCCTTCACTAATTTTCTTC  
AAGATACTAAAATATCCAAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001080131
<b>Insert Size:</b>	1143 bp
<b>OTI Disclaimer:</b>	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).
<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_001080131.2</a></u> , <u><a href="#">NP_001073600.1</a></u>
<b>RefSeq Size:</b>	3395 bp
<b>RefSeq ORF:</b>	1143 bp
<b>Locus ID:</b>	21917
<b>UniProt ID:</b>	<u><a href="#">Q61029</a></u>
<b>Cytogenetics:</b>	10 45.66 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (5) lacks two consecutive in-frame exons in the coding region, compared to variant 3. The resulting isoform (gamma) lacks an internal segment, compared to 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.</p>