

## Product datasheet for **RN208092**

### **Tmpo (NM\_012887) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmpo (NM_012887) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmpo
Synonyms:	LAP2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN208092 representing NM\_012887  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCGGAGTTCTAGAGACCCTTCGGTCTGACCAAAGACAAGTTGAAGAGCGAGTTGGTCGCCAACA  
ACGTGACGCTCCCGGCCGCGAGCAGCGCAAGGACGTGTACGTGACGCTCTACCTGCAGCACCTCACGGC  
GCGCAACCGGCCCGCTCGCCGCGGGAGCCAACAGCAAAGGGCCGCCGACTTCTCGAGCGACGAGGAG  
CGCGAGCCACCCAGTCTTGGCTCCGGGGCCTCCGTGGTTCGCGGCCGCGCGCGCTCGGAGGAAAG  
CCACAAAGAAAAGTATAAGCCAGGCCAGAAGATAAAGATGATCTGGATGTGACAGAGCTCTTAACGA  
AGAACTTCTGGAACAGCTTGTGAGATATGGAGTGAATCCTGGTCCCATTGTTGGAAACCACCAGGAAGCTG  
TATGAGAAGAAGCTGTTGAAGCTGAGGGAACAGGGAGCAGAATCGAGATCCTCTACTCTCTCCCAACAG  
TCTCTTCTCTGCAGAAAACACGAGGCAGAATGGAAGTAATGACTCTGACAGATACAGTACAATGACGA  
AGACTCTAAAATAGAGCTCAAGTTGAGAAGAGAGAGCCGCTAAAGGGCAGAGCAAAGACTCCAGTAACA  
CTCAAGCAAAGGAGGATTGAGCACAATCAGAGCTATTCTGAAGCTGGAGTAACTGAGACTGAATGGACAA  
GTGGATCTTCAAAGGGCGACCTCTGCAGGCATTAAGTGGGAGTCCACGAGAGGGTTCGAGAAGAACTCC  
AAGGAGAAGGGTGAACCTCACAGCATTTTCGTGTAGATGGTGCAGTAATTTTCAGAGAGTACTCCATA  
GCTGAGACTATAAAGGCTTCAGCAACGACTCCTTAGTGGCAATAGGTTGACTGGAAATTTCAAGCATG  
CATCTTCTATTCTGCCAATCACTGAATTTCTCAGACATAACCAGAAGAACACCAAAGAAACCATTGACAAG  
AGCTGAAGTGGGAGAAAAACAGAGGAAAGAAGAGTAGAAAGGGATATTCTGAAGGAAATGTTCCCGTAT  
GAAGCCTCTACTCAACCGGAATTAGTGCTAGTTGCCGACAGCAATCAAAGGTGCTGCCGGCCGCGCCG  
TCGAGCTCAGTGACTTCAGGATGGAAGAATCGTTCTCATCTAAGTACGTCCCAGGAGTACGTTCCCTTGGC  
AGACGTCAAGTCGAAAAGACAAAGAAGGACGCTCCGTTCCCATGTGGATAAAAAATGCTGCTGTTGCT  
CTCGTGGCGGTTTTTTGTTTTTGGTCTATCAAGCTATGGAAACCAACCAAGGAAACCCCTTCACTAATT  
TTCTTCAAGATACTAAAATATCCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_012887

**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\\_012887.1](#), [NP\\_037019.1](#)  
RefSeq Size: 3508 bp  
RefSeq ORF: 1359 bp  
Locus ID: 25359  
UniProt ID: [Q62733](#)  
Cytogenetics: 7q13  
Gene Summary: binds to both lamin B1 and chromosomes in a mitotic phosphorylation-regulated manner [RGD, Feb 2006]