

Product datasheet for **MC225654**

Tmpo (NM_001283048) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmpo (NM_001283048) 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: >MC225654 representing NM_001283048
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTCCCTACGAAGCCTCCACTCCGACGGGAATCAGTGCTAGCTGCCGAGACCAATCAAAGGTGCTG
CAGGCCGGCCGCTCGAGCTCAGTGACTTCAGGATGGAAGAGTCGTTCTCATCTAAGTACGTCGCCGAAGTA
TGCTCCCTTGGCAGATGTCAAGTCAGAAAAGACAAAGAAGAGACGCTCCGTTCCCATGTGGATAAAAATG
TTGCTGTTTGGCCCTTGTGGCCGTGTTTTGTTTTGGTCTATCAAGCTATGGAAACCAACCAAGGAAATC
CCTTCACTAATTTCTTCAAGATACTAAAATATCCAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001283048
Insert Size: 321 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).
OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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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:	<ol style="list-style-type: none">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:	<u>NM_001283048.1, NP_001269977.1</u>
RefSeq Size:	3294 bp
RefSeq ORF:	321 bp
Locus ID:	21917
Cytogenetics:	10 45.66 cM
Gene Summary:	<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 (7) has an alternate 5' terminal exon and initiates translation at a downstream start codon, compared to variant 3. The resulting isoform (omega) has a much shorter N-terminus, 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>