

Product datasheet for **MC220497**

Tmpo (NM_011605) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmpo (NM_011605) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmpo
Synonyms:	5630400D24Rik; AI195756; AI606875; AW214352; AW547477; LAP2; TP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220497 representing NM_011605
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGAGTTCTAGAGACCCTTCGGTCTGACCAAGACAAGTTGAAGAGCGAGTTGGTCGCCAACA
 ACGTGACGCTCCCGGCCGCGAGCAGCGCAAGGACGTGTACGTGCAGCTCTACCTGCAGCACCTCACGGC
 GCGCAACCGGCCCGCTCGCCGCGGGAGCCAACAGAAAGGGCCCGGACTTCTCGAGCGACGAGGAG
 CGCGAGCCACGCCGGTCTCGGCTCCGGGGCCTCCGTGGTTCGCGGCCGCGGCCGCTCGGCAGGAAAG
 CCACAAAGAAAAGTATAAGCCAGGCTAGAAGATAAAGATGATCTGGATGTGACAGAGCTCTCTAATGA
 AGAACTTCTGGATCAGCTTGAAGATATGGAGTGAATCCTGGTCCATTGTGGGAACAACCAGGAAGCTA
 TATGAGAAGAAGCTGTTGAAGCTGAGGGAGCAGGGAAGTGAATCGAGATCCTCTACTCTTCCAACAG
 TCTTCTCTCGAGAAAACACAAGGCAGAATGGAAGTAAAGCTCTGACAGATACAGCGACAATGATGA
 AGGAAAGAAGAAACAACAAGAAAGTGAAGTCCGCTAGGGATTGTTCCTTTTCTGAACTTGCATCT
 ACTCCCTCTGGTGCAATTTTTCAGGGTATTTCTTCCCTGAAATCTCCACCCGCTCCTTTGGGCAGGA
 CTGAACTGCAGGCAGCTAAGAAAGTACAAACCTAAGAGAGACCCACCTAGGGAGACTTGTACTGATAC
 GGCTTGGCCGGGAAGGGGCAGACGCACAAGTTAGCCCTGGACGGAGTTATTTATTCCTTCAGAGTCT
 AGCTATGATAGATGTGTAGAGAAAAGTTCTTACCATCTTCTCAGCGTGAATTTGCTGCCAGGTTGGTCT
 CTGCTGCAGCTTCTCCTCACTGATAAGAGAAACCTACTACTACTCTAAGGACATAGTGAAATAT
 TTGCCGTGGAGGGAAGAGTAGAGCTCAGCCATTGCGTGTGAGGAGCCTGGCGTGCAGATCAGTCAGTT
 TTCTCTAGTGAAGAGAAGTACTGCAGGAGTCCGAGAGGTCGAGGTCATTTCTCCACCTTGCCTCAGG
 CAATTCGAGATTATGTCAATCTCTGTTAGTCCAGGGTGGGGTCCGAGTTTGCCTGGGACTTCTGATTC
 TGTGCCACACTGGATGTAGAAAACATATGTAAGAGACTTAGCCAGTCCAGCTATCAAGATTCTGAATCC
 CTGTCCCTCCCGAAAAGTCCCAAGACTCAGTGAGAAGCCAGCAAGGGGCGGGGACTCAGGCTCCTGTG
 TGGCATTTCAGAAACACCTGGATCCGAACATAGGTCTTCTTTTGCAAAAGTGTGTCTCTCATTCTCT
 GACTACTTTAGGAGTAGAAGTGTCTAAGCCACCACCACAGCATGATAAAATAGAAGCCTCAGAGCCGTCT
 TTTCTCTCCACGAATCTATCCTAAAAGTGGTGGAAAGAGGAGTGGCAGCAAATTGATAGGCAGTGCCT
 CGGTGGCGTGCAGATATCCAGTTTCTCCATCGAGGCAGCAGGATATTATCAGTACAAAAGTGGATGA
 TGAATCTGGGTTTATTTCTGAAGCCACCCACGAGCAGCTACTCAGGCGTCTCCACTGAGTCTTGT
 GATAAACATTTGACTTAGCTCTGTAGATCTTACGAAGCTGCAGCATCAGATTGCAGATTGCAGCCC
 ACACGGCCTTCGTAGCTAAGTCTCTGCAAGCTGACATAAGTCAAGCTGCAGATTATTAATTCAGATCC
 TAGTGATGCACAGCAGGCACTCAGGATTCTGAACAGAACCTATGATGCAGCTTATATCTTTGTGATGCT
 GCATTTGATGAAGTGAAGATGTCTGCCTGTGCCATGGGGTCTTCTACCATGGGTCCGGCTTATCTGTGGT
 TGAAGGATTGTAAGATTAGTCCAGCTTCTAAGAATAAATTGACTGTTGCCCTTTAAAGGTGGAACATT
 ATTTGGAGGGGAAGTACACAAAGTTATTAAGAAAGCGTGGAAATAAGCAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_011605
- Insert Size:** 2082 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_011605.3](#), [NP_035735.2](#)

RefSeq Size: 3821 bp

RefSeq ORF: 2082 bp

Locus ID: 21917

UniProt ID: [Q61033](#)

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 (1) lacks several exons but has an alternate 3' terminal exon, compared to variant 3. The resulting isoform (alpha) is longer and has a distinct C-terminus, compared to isoform epsilon.