

Product datasheet for **MR227008**

Tmpo (NM_001080129) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmpo (NM_001080129) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR227008 representing NM_001080129
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGGAGTTCTAGAGACCCTTCGGTCTGACCAAGACAAGTTGAAGAGCGAGTTGGTCGCCAACA
 ACGTGACGCTCCCGCCGCGAGCAGCGCAAGGACGTGTACGTGCAGCTCTACCTGCAGCACCTCACGGC
 GCGCAACCGCCCGCTCGCCGCGGGAGCCAACAGCAAAGGGCCGCCGACTTCTCGAGCGACGAGGAG
 CGCGAGCCACGCCGGTCTCGGCTCCGGGGCCTCCGTGGGTGCGCGCCGCGCGCGCTCGGAGAAAG
 CCACAAAGAAAAGTATAAGCCAGGCTAGAAGATAAAGATGATCTGGATGTGACAGAGCTCTCTAATGA
 AGAACTTCTGGATCAGCTTGTAAAGATATGGAGTGAATCCTGGTCCATTGTGGGAACAACCGGAAGCTA
 TATGAGAAGAAGCTGTTGAAGCTGAGGGAGCAGGGAATGAATCGAGATCCTCTACTCCTTCCAACAG
 TCTTCTCTGCGAGAAAACACAAGGCAGAATGGAAGTAACGACTCTGACAGATACAGCGACAATGATGA
 AGACTCTAAAATAGAGCTGAAGCTTGAAGAGGGAGCCGCTAAAGGGCAGAGCCAAGACGCCAGTCACA
 CTGAAGCAGAGAAGGACTGAGCACAATCAGAGCTATTCTCAAGCTGGAGTAACTGAGACTGAATGGACGA
 GTGGATCTTCAACAGGCGGACCTCTGCAGGCATTAAGTGGGAGTCCACGAGAGGGTTCGAGAAGAACTCC
 AAGGAAAAGGGTGGAACTTACAGCATTTTCGTATAGATGGTGCAGTAATTTACAGAGTACTCCCAT
 GCTGAAACTATAAAGGCTTCAAGCAACGAATCCTTAGTGGCAATAGGTTGACTGGAAATTTCAAGCATG
 CATCTTCTATTCTGCCAATCACTGAATTCAGACATAACCAGAAGAACACCAAAGAAACATTGACAAG
 AGCTGAAGTGGGAGAAAAACAGAGGAGCGAAGAGTAGACAGGGATATCTTAAGGAAATGTTCCCTAC
 GAAGCCTCCACTCCGACGGGAATCAGTGCTAGCTGCCGACAGCAATCAAAGTGTGCGAGCCGCGCCG
 TCGAGCTCAGTGACTTCAGGATGGAAGAGTCGTTCTCATCTAAGTACGTCCCGAAGTATGCTCCCTGGC
 AGATGTCAAGTCAGAAAAGACAAAGAAGAGACGCTCCGTTCCCATGTGGATAAAAAATGTTGCTGTTTGC
 CTTGTGGCCGTGTTTTGTTTTGGTCTATCAAGCTATGAAACCAACCAAGGAAATCCCTTCACTAATT
 TTCTTCAAGATACTAAAAATATCCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227008 representing NM_001080129
 Red=Cloning site Green=Tags(s)

MPEFLEDPSVLTKDKLSELVANNVTLPAGEQRKDVVYQLYLQHLTARNRPPLAAGANSKGPPDFSSDEE
 REPTPVLGSGASVGRGRGAVGRKATKKTDKPRLEDKDDLVDTEL SNEELLDQLVRYGVNPGPIVGTTRKL
 YEKKLLKLREQTESRSSTPLPTVSSAENTRQNGSNDSDRYSDNDEDSKIELKLEKREPLKGRAKTPVT
 LKQRRTEHNQSYSQAGVTEETEWTSGSSTGGPLQAL TRESTRGRRTPRKRVETSQHFRIDGAVISESTPI
 AETIKASSNESLVANRLTGNFKHASSILPITEFSDITRRTPKKPLTRAEVGEKTEERRVDRDILKEMFPY
 EASTPTGISASCRRIKGAAGRPLEL SDFRMEESFSSKYVPKYAPLADVSEKTKRRSVPMWIKMLLFA
 LVAVFLFLVYQAMETNQGNPFTNFLQDTKISN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001080129

ORF Size: 1356 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: 3533 bp

RefSeq ORF: 1359 bp

Locus ID: 21917

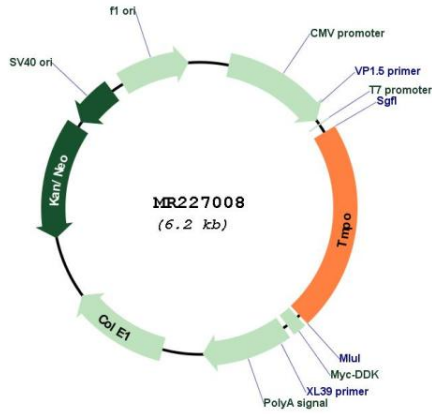
UniProt ID: [Q61029](#)

Cytogenetics: 10 45.66 cM

MW: 50.8 kDa

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]

Product images:



Circular map for MR227008