

Product datasheet for MR226540

Tmpo (NM_001080130) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmpo (NM_001080130) 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)
ORF Nucleotide Sequence: >MR226540 representing NM_001080130
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGGAGTTCTAGAGGACCCCTCGGTCTGACCAAAGACAAGTTGAAGAGCGAGTTGGTCGCCAACA
 ACGTGACGCTCCCGGCCGGCAGCAGCGCAAGGACGTGTACGTGCAGCTCTACCTGCAGCACCTCACGGC
 GCGCAACCGGCCCGCTCGCCGCGGGAGCCAACAGCAAAGGGCCCGCGACTTCTCGAGCGACGAGGAG
 CGCGAGCCACGCCGGTCTCGGCTCCGGGCCCTCGTGGTTCGCGGCCGCGCGCCGTCGCGAGGAAAG
 CCACAAAGAAAAGTATAAGCCAGGCTAGAAGATAAAGATGATCTGGATGTGACAGAGCTCTAATGA
 AGAACTTCTGGATCAGCTTGAAGATATGGAGTGAATCCTGGTCCATTGTGGAAACAACCGGAAGCTA
 TATGAGAAGAAGCTGTTGAAGCTGAGGGAGCAGGGAATGAATCGAGATCCTCTACTCCTTCCAACAG
 TCTCTTCTCTGCAGAAAACACAAGGCAGAATGGAAGTAACTGACTCTGACAGATACAGCGACAATGATGA
 AGACTCTAAAAAGAGCTGAAGCTTGAAGAGGGAGCCGCTAAAGGGCAGAGCCAAGACGCCAGTCACA
 CTGAAGCAGAGAAGGACTGAGCACAATCAGGTGGAATTCACAGCATTTTCGTATAGATGGTGCAGTAA
 TTCAGAGAGTACTCCCATAGCTGAACTATAAAGGCTCAAGCAACGAATCCTTAGTGGCAATAGGTT
 GACTGGAAATTTCAAGCATGCATCTTCTATTCTGCCAATCACTGAATTCAGACATAACCAGAAGAACA
 CCAAAGAAACATTGACAAGAGCTGAAGTGGGAGAAAAACAGAGGAGCGAAGAGTAGACAGGGATATTC
 TTAAGGAAATGTTCCCTACGAAGCCTCCACTCCGACGGGAATCAGTGCTAGCTGCCGACAGCAATCAA
 AGGTGCTGCAGGCCGCGCTCGAGCTCAGTGACTTCAGGATGGAAGAGTCGTTCTCATCTAAGTACGTC
 CCGAAGTATGCTCCCTTGGCAGATGTCAAGTCAGAAAAGACAAAGAAGAGACGCTCCGTTCCCATGTGGA
 TAAAAATGTTGCTGTTTGCCTTGTGGCCGTGTTTTGTTTTGGTCTATCAAGCTATGGAACCAACCA
 AGGAAATCCCTTCACTAATTTCTTCAAGATACTAAAATATCCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226540 representing NM_001080130
Red=Cloning site Green=Tags(s)

MPEFLEDPSVLTKDKLKSELVANNVTLPAGEQRKDVYVQLYLQHLTARNRPPLAAGANSKGPDPDFSSDEE
 REPTPVLGSGASVGRGRGAVGRKATKTKDKPRLEDKDDLDVTEL SNEELLDQLVRYGVNPGPIVGTTRKL
 YEKKLLKLREQGTE SRSSSTPLPTVSSAENTRQNGSNDSDRYSDNDEDSKIELKLEKREPLKGRAKTPVT
 LKQRRTEHNQVETSQHFRIDGAVISESTPIAETIKASSNESLVANRLTGNFKHASSILPITEFSDITRRT
 PKKPLTRAEVGEKTEERRVDRDILKEMFPYEASTPTGISASCRRPIKGAAGRPLELSDFRMEESFSSKYV
 PKYAPLADVKSEKTKRRSVPMWIKMLLFALVAVFLFLVYQAMETNQGPNFTNFLQDTKISN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001080130

ORF Size: 1236 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_001080130.2](#), [NP_001073599.1](#)

RefSeq Size: 3413 bp

RefSeq ORF: 1239 bp

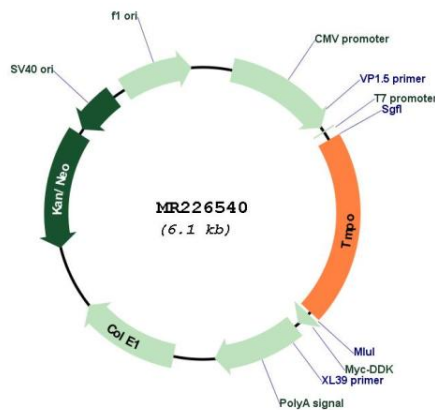
Locus ID: 21917

Cytogenetics: 10 45.66 cM

MW: 46.5 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 MR226540