

Product datasheet for **MR226797**

Tbx2 (NM_009324) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx2 (NM_009324) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbx2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR226797 representing NM_009324
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAGAGCCGGCGCTGGCAGCCAGGCCATGGCTTACCACCCGTTCCACGCGCCACGGCCCGCGACT
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 GCCGAGGAGAAGCCGGGCGCAGCCGACAGCGATCCTGAGCCGAGCGGACGGGGGAGGAGCGCTCCGAG
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 CGAGCCCTCTCCCCGGCGGGAGTCGCCAAG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226797 representing NM_009324
 Red=Cloning site Green=Tags(s)

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MREPALAASAMAYHPFHAPRPADFPMSAFLLAAQPSFFPALALPPGALGKPLPDPGLAGAAAAAAAAAAAA
AEAGLHVSALGPHPPAAHLRSLKSLPEDEVEDDPKVTLEAKELWDQFHKLGTEMVITKSGRRMFPFKV
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AEEKPGAADSDPEPERTGEERSAAPLGRSPSRDASPARL TEPERSRERRSPERCSKEPTEGGDGPFSLR
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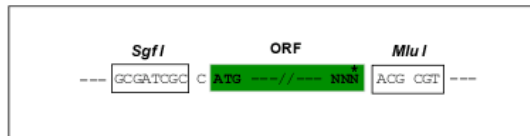
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9035_d02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009324

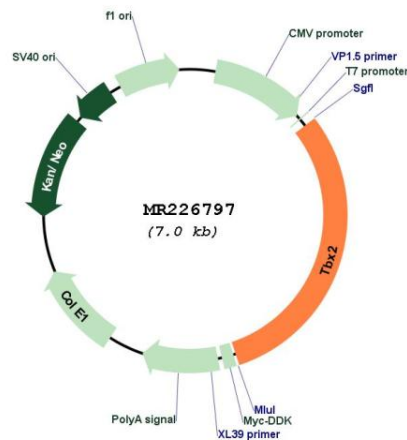
ORF Size: 2133 bp

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:	<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_009324.2, NP_033350.2</u>
RefSeq Size:	3562 bp
RefSeq ORF:	2136 bp
Locus ID:	21385
UniProt ID:	<u>Q60707</u>
Cytogenetics:	11 51.34 cM
MW:	75.5 kDa
Gene Summary:	Involved in the transcriptional regulation of genes required for mesoderm differentiation. Probably plays a role in limb pattern formation. Acts as a negative regulator of PML function in cellular senescence. May be required for cardiac atrioventricular canal formation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226797