

Product datasheet for **MR226145**

Tbx1 (NM_011532) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx1 (NM_011532) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbx1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226145 representing NM_011532
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATCTCGCCGTGTCTAGTCCGTGGCTCACGCAGCTCTCGCACTTCTGCGACGTTGCAGCCTTCGCAG
 CCAGCAGTCTGAGCGGCCTGGGATCCCCGTCGCTGGCGCCGACCCGTTGGGCCCTCGCGAGCCCGCC
 ACCGCGCTACGATCCGTGCGCTGCACTCCCGGTGCCCGGGCCCGCCGCGCCGCGCCTATCCTTTC
 GCGCCCGCCCCGGGGCGGCTGGCAGCTCGGCGCGGAGTCCGAGGGTCCGGGGCTAGCCGCGCGGCTG
 CGGTCAAGGCTCCGGTGAAGAAGAACCAGAGGTGCCAGCGTGAAGCGTGCAGCTGGAGATGAAGGCGCT
 GTGGGACGAGTTCAATCAGCTGGGCACCGAGATGATCGTACCAAGGCAGGCAGACGAATGTTCCCCACG
 TTCCAAGTGAAGCTTTTGGAAATGGATCCCATGGCCGACTACATGCTGCTCATGGACTTTGTGCCGTAG
 ATGACAAGCGCTACCGGTATGCTTCCATAGCTCCTCTGGTGGTGGCCGGCAAGGCAGATCCTGCTAC
 ACCTGGCCGAGTACACTACCACCGGACTCGCCGGCTAAGGGCGCACAGTGGATGAAACAGATTGTGCT
 TTGACAAGCTGAAACTGACCAATAACCTGCTGGATGACAATGGCCATATTATTCTCAACTCCATGCACA
 GATATCAGCCCCGATTCCATGTTGTCTATGTGGACCTCGAAAAGACAGTGAGAAATATGCAGAGGAGAA
 CTTCAAACTTTTGTGTTTGAGGAGACACGCTTCACTGCAGTCACTGCCTACCAGAATCACCGGATCACG
 CAGCTTAAGATTGCCAGCAACCCCTTCGCCAAAGGCTTCCGGGATTGCGACCCGGAGGACTGGCCCCGGA
 ACCACCGGCCCGGAGCGCTGCCGCTCGTGAAGTGCCTTTGCTCGCTCTCGGAATCCCGTGGCTTCCCCAC
 GCAGCCCAATGGCTCAGACAAAGACGCTGCAGAAGCCCGCGGAGTTCGACCGTGACTCCGACCCGCA
 GCGCTCGGCGACGCTACGCACCCCGCAGCTGCTGGCGCGGTGCTGAGCCCGCACTGCCCGGCGCTG
 GCGCCCTCGTCCCGTACCCGGCGGATCCGGAGGCCGCCACAGTCCCCCGCACGCCGATCGCCCTGGA
 GCGCCCGGGCGCGTCCGAGCCGCTGCACCACTCCCTACAAGTACCCGCGCCGCGCTACGACCACTAC
 CTGCGGGCCAAGAGCCGCGCGGCCCTACCCGCTGCCAGGCTGCGCGGCCACGGCTACCACCCGACG
 CGCACCCGACGCGCACCCGACCATACCACCACCCCGCGGTGAACCCGGCCGCGCGCGCTGCTGCG
 CGCAGCAGCCAACGTGTACTCGTCGGCGCCGCGCCCGCGTGCCTACGACTACTGCCCAAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226145 representing NM_011532
 Red=Cloning site Green=Tags(s)

MISAVSSPWLQLSHFCDVAFAASSLSGLGSPSPGADPFGPREPPPPRYDPCAAPVGPAGPPPPRAYPF
 APAPGAAGSSAAESESGASRAAAVKAPVKNPKVASVSVQLEMKALWDEFNQLGTEMIVTKAGRRMFPT
 FQVKLFGMDPMADYMLLMDVFPVDDKRYRYAFHSSSWLVAGKADPATPGRVHYHPDSPAQGAQWMKQIVS
 FDKLKLNNLLDDNGHIILNSMHRYPFRFHVVYVDPKDKSEKYAEENFKTFVFEETRFTAHTAYQNHRI
 QLKIASNPFKGFRCDEDPEDWPRNHRPGALPLVSAFARSNPVASTQPNGSDKDAEARREFDRDSGPA
 ALGDATHPPQLLARVLSPALPGPGLVPLPGSGGRHSPHADLRLEAPGASEPLHHHPYKYPAAAYDHY
 LGAKSRPAPYPLPGLRGHYHPHAHPHHPHHHPAVNPAAAAAAAAAANVYSSAAAPPAYDYCP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_011532

ORF Size: 1464 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

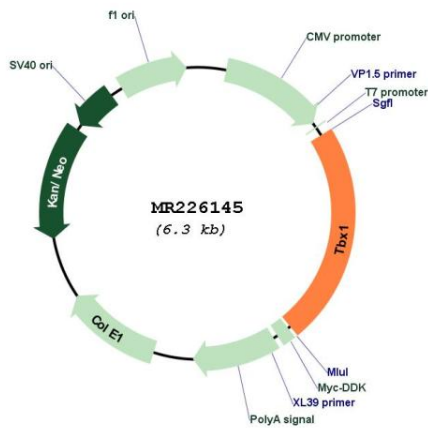
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_011532.2</u>
RefSeq Size:	1777 bp
RefSeq ORF:	1467 bp
Locus ID:	21380
UniProt ID:	<u>P70323</u>
Cytogenetics:	16
MW:	53 kDa
Gene Summary:	Probable transcriptional regulator involved in developmental processes. Is required for normal development of the pharyngeal arch arteries.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226145