

Product datasheet for **MC221091**

Tbx3 (NM_198052) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx3 (NM_198052) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbx3
Synonyms:	D5Ertd189e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_198052, the custom clone sequence may differ by one or more nucleotides

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ATGAGCCTCTCCATGAGAGATCCGGTTATCCCTGGGACAAGCATGGCCTATCATCCCTTCTACCTCACC
GGGCGCCGGACTTCGCCATGAGCGCGTACTGGGCCACCAGCCGCTTTCTTCCCGCGCTAACGCTGCC
TCCCAACGGCGCGCGCGCTCTCGCTCCCCGGAGCTCTGGCCAAGCCCATCATGGATCAGTTAGTGGGG
GCTGCTGAGACCGGCATCCCTTCTCATCCCTGGGACCCAGGCACATCTGAGGCCTCTGAAGACCATGG
AACCCGAAGAAGACGTAGAAGATGACCCTAAGGTGCACCTGGAGGCCAAGGAACCTTTGGGACCAGTTTCA
CAAGCGGGGTACAGAGATGGTCATCACGAAGTCAGGAAGGCGAATGTTCCCTCCGTTTAAAGTGAGGTGC
TCTGGACTGGATAAAAAGGCCAAGTATATTTTATTGATGGACATTATAGCTGCTGACGACTGTGATATA
AATTTCACAACTCTCGGTGGATGGTGGCCGTAAGGCAGACCCCGAAATGCCAAAGAGAATGTATATACA
CCCGGACAGCCCCGCTACGGGGAGCAATGGATGTCAAAGTCGTCACCTTCCACAACTGAAACTCACC
AACACATATCGGATAAACACGGATTTACTATACTAAACTCTATGCATAAGTACCAGCCGCGTTCCACA
TCGTGAGGCCAACGATATCCTGAAACTGCCTTACAGTACTTTTGAACCTACCTGTTCCCGGAAACAGA
ATTCATCGCCGTTACTGCCTATCAGAATGACAAGATAAAGTAAAGTAAAAATAGACAACAATCCCTTTGCA
AAGGGTTTTGAGACTGGCAATGGCAGGAGAGAAAAAAGAAAGCAGCTCACACTGCAGTCCATGAGAG
TGTTTGAGGAGAGGCATAAGAAGGAGACTTCGGATGAGTCTCCAGCGAGCAGGCAGCCTTCAACTGCTT
TGCCAGGCATCTCTCTGCTGTCTCCATCGTGGGGACATCCAACCTCAAAGATCTGTGTCCCAGCGAA
GCCGAGAGTGACCCGAGGCTGAGAGCAAGGAGGAGCACGGCCCTGAGGCCTGCGACGCGGCCAAGATTT
CCACCACTACGGCCGAGGAGCCAGGCCGCGACAAGGGCAGCCAGCAACCAGGGCGCAGCTGTTCCCGC
GGAGCCCAGCCGGGCCCGCACACCGCGCTCTGGACAAGGCATCGCCAGACTCGCGCCATAGCCCGGCC
ACCATCTCGTCCAGCACGCGAGTTCGGGAGCTGATGAGCGCAGGAGTCCGGGGCGGAGGTTCCAGTCC
CCACCAAGGTGGATGAGGCGCGCGGATTCTGCAAGGACGCCTTCGCTCCACTGTGCGTGCAGACAGA
CGCCACCGCGCAGCTAGCGCAGGGGCCCTCCCGGCTTGGGTTTTGCCCCAGGCCTTGGGGCCAGCAG
TTCTTCAACGGGCACCCGCTCTTCTGCACCCGGGCCAGTTGCGCATGGGCGGCGCCTTCTCTAGCATGG
CTGCAGGCATGGGGCCCTGCTGGCCACAGTATCCGGAGCATCCACCGCGCTCTCAGGCCTAGAATCCAC
AGCCATGGCCTCGGCTGCCGACGCGAGGACTGTCTGGGGCGTCCGCTGCCACCCTGCCCTTCCACCTC
CAACAACACGTTCTGGCCTCCAGGGCTTGGCTATGTGCGCTTTCGGGAGCCTGTTTCTTACCCTACA
CATACATGGCTGCAGCAGCTGCAGCCTCCACCGCGCCGCTCCAGCTCCGTGCACCGCCACCCGTTCT
CAATTTGAACAGCATGCGCCCCAGGCTGCGTTACAGCCCTATTCCATCCCGTCCAGTCCCGGATAGC
AGCAGTTTGTGGCCACAGCTTTACCATCAATGGCTTCCGCCGCGGGGCCCTAGACGGCAAAGCGGCCG
CCCTGGCAGCCAGCCAGCCTCGGTGGCTGTGGACTCGGGGTCCGAACTGAACAGCCGCTCGTCCAGCT
GTCCTCTGGCTCAGTGTCTTGTACCCAACTCTGCTCCGAGAAGGAGGCGGCTACCAGCGAACTGCAG
AGTATCCAGCGGCTGGTCAAGTGGCTTGAAGCCAAGCCAGACAGGCTTTCAGCGGGTCCCTTAA
    
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Restriction Sites: SgfI-MluI
ACCN: NM_198052
Insert Size: 2166 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](#)

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: [BC096551](#), [AAH96551](#)

RefSeq Size: 4087 bp

RefSeq ORF: 2166 bp

Locus ID: 21386

Cytogenetics: 5 60.34 cM

Gene Summary: Transcriptional repressor involved in developmental processes. Probably plays a role in limb pattern formation. Acts as a negative regulator of PML function in cellular senescence (By similarity).[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (2) differs in the 5' UTR and lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1.