

## Product datasheet for **MC221227**

### **Tbx3 (NM\_011535) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbx3 (NM_011535) 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:** >MC221227 representing NM\_011535  
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**C

ATGAGCCTCTCCATGAGAGATCCGGTTATCCCTGGGACAAGCATGGCCTATCATCCCTTCTACCTCACC  
 GGGCGCCGGACTTCGCCATGAGCGCGTACTGGGCCACCAGCCGCTTTCTTCCCGCGCTAACGCTGCC  
 TCCAACGGCGCCGCGGCTCTCGCTCCCGGAGCTCTGGCCAAGCCATCATGGATCAGTTAGTGGGG  
 GCTGCTGAGACCGGCATCCCTTCTCATCCCTGGGACCCAGGCACATCTGAGGCCTCTGAAGACCATGG  
 AACCCGAAGAAGACGTAGAAGATGACCCTAAGGTGCACCTGGAGGCCAAGGAACTTTGGGACCAGTTTCA  
 CAAGCGGGGTACAGAGATGGTCATCACGAAGTCAGGAAGGCGAATGTTCCCTCCGTTTAAAGTGAGGTGC  
 TCTGGACTGGATAAAAAGCCAAGTATATTTTATTGATGGACATTATAGCTGCTGACGACTGTGATATA  
 AATTTACAACCTCTCGGTGGATGGTGGCCGTAAGGCAGACCCCGAAATGCCAAAGAGAATGTATATACA  
 CCCGGACAGCCCGCTACGGGGGAGCAATGGATGTCAAAGTCGTCACCTTCCACAACTGAACTCACC  
 AACACATATCGGATAAACACGGATTTACTTTGGCCTTCCAAGCGATCAGCAACGTGGCAGGGGAATT  
 ATAGTTTTGGGACCCAGACTATACTAACTCTATGCATAAGTACCAGCCGCGTTCCACATCGTCAGAGC  
 CAACGATATCCTGAACTGCCTTACAGTACTTTTGAACCTACCTGTTCCCGAAACAGAATTCATCGCC  
 GTTACTGCCTATCAGAATGACAAGATAACTCAGTTAAAAATAGACAACAATCCCTTTGCAAAGGGTTTTT  
 GAGACTGGCAATGGCAGGAGAGAAAAAGAAAGCAGCTCACACTGCAGTCCATGAGAGTGTGGAGGA  
 GAGGCATAAGAAGGAGACTTCGGATGAGTCTCCAGCGAGCAGGCAGCCTTCAACTGCTTTGCCAGGCA  
 TCCTCTCTGCTGTCTCCATCGTGGGACATCCAACCTCAAAGATCTGTGTCCAGCGAAGCCGAGAGTG  
 ACGCCGAGGCTGAGAGCAAGGAGGAGCACGGCCCTGAGGCCTGCGACGCGGCAAGATTTCCACCAC  
 GGCCGAGGAGCCAGGCCCGACAAGGGCAGCCAGCAACCAGGGCGCAGCTGTTCCCGCGGAGCCAGC  
 CGGGCCCGCAGACCCGCGCTCTGGACAAGGCATCGCCAGACTCGCGCCATAGCCCGGCCACCATCTCGT  
 CCAGCACGCGAGTTCGGGAGCTGATGAGCGCAGGAGTCCCGGCGCGAGGGTCCAGTCCGACCAAGGT  
 GGATGAGGCGCGCGGATTCCTGCCAAGGACGCTTTCGCTCCACTGTGCGTGCAGACAGACGCCACCGCG  
 CACCTAGCGCAGGGGCCCTCCCGGCTTGGGTTTCGCCCCAGGCCTTCCGGGCCAGCAGTTCTTCAACG  
 GGCACCCGCTCTCTGCACCCGGGCCAGTTCGCCATGGCGGCGCCTTCTCTAGCATGGCTGCAGGCAT  
 GGGGCCCTGCTGGCCACAGTATCCGGAGCATCCACCGGCTCTCAGGCCTAGAATCCACAGCCATGGCC  
 TCGGCTGCCGAGCGCAGGACTGTCTGGGGCTCGGCTGCCACCCTGCCCTTCCACTCCAACAACAGC  
 TTCTGGCCTCCAGGGCTTGGCTATGTCGCCTTTCGGGAGCCTGTTTCTTACCCCTACACATACATGGC  
 TGCAGCAGCTGCAGCCTCCACCGCGGCCCTCCAGCTCCGTGCACCGCCACCCGTTCTCAATTTGAAC  
 AGCATGGCCCCAGGCTGCGTTACAGCCCTATTCCATCCCCGTCCCAGTGCCGGATAGCAGCAGTTTGC  
 TGGCCACAGCTTACCATCAATGGCTTCCGCCGCGGGGCCCTAGACGGCAAAGCGGCCCGCTGGCAGC  
 CAGCCAGCCTCGGTGGCTGTGGACTCGGGTCCGAACTGAACAGCCGCTCGTCCACGCTGTCTCTGGC  
 TCAGTGTCTTGTACCCAACTCTGCTCCGAGAAGGAGGCGGCTACCAGCGAAGTGCAGAGTATCCAGC  
 GGCTGGTCAGTGGCTTGAAGCCAAGCCAGACAGGTCTTGCAGCGGTCCCTTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_011535  
**Insert Size:** 2226 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](mailto: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:** [NM\\_011535.2](#), [NP\\_035665.2](#)

**RefSeq Size:** 5082 bp

**RefSeq ORF:** 2226 bp

**Locus ID:** 21386

**UniProt ID:** [P70324](#)

**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 (1) represents the longer transcript and encodes the longer isoform (1).