

## Product datasheet for **MC217291**

### **Tbx5 (NM\_011537) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbx5 (NM_011537) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbx5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC217291 representing NM\_011537  
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGATACAGATGAGGGCTTTGGCCTGGCGCGACGCCTCTGGAGCCTGATTCCAAAGACAGGTCTT  
 GCGATTGAAACCTGAGAGTGCTCTGGGGCTCCAGCAAGTCTCCATCATCCCCGAGGCTGCCTTCAC  
 CCAGCAGGGCATGGAAGGAATCAAGGTGTTTCTTCATGAACGTGAACTGTGGCTGAAGTCCACGAAGT  
 GGCACAGAGATGATCATACCAAGGCAGGGAGGAGAATGTTTCTAGTTACAAAGTGAAGGTGACTGGCC  
 TTAATCCCAAAACGAAGTATATTCTTCTCATGGATATTGTTCCCGCAGACGACCACAGATATAAATTTGC  
 TGATAACAAATGGTCCGTAAGTGGCAAAGCAGAGCCTGCCATGCCGGGGCGCCTTTACGTGCACCCGGAC  
 TCCCCAGCAACCGAGGCCACTGGATGCGACAATTGTCTCCTCCAGAAGCTCAAACCTACCAACAACC  
 ACCTGGACCCGTTGGACACATTATCCTGAACTCCATGCACAAAACCAGCCCGATTACACATCGTGAA  
 AGCAGACGAAAAAATGGGTTCCGTTCAAAGAACACTGCGTTTTGCACCCACGTCTCCCGGAGACAGCT  
 TTTATCGCTGTGACTTCGTACCAGAATCACAAGATCACACAGCTGAAAATGAGAAACAACCCCTTCGCCA  
 AAGGCTTTCGGGGCAGTGATGACCTGGAGTTACACAGGATGTCTCGGATGCAAAGTAAAGAGTATCCTGT  
 GGTTCACAGGACACAGTGAGGCACAAAGTACCTCCAACCACAGCCCTTCAGCAGCGAGACCCGAGCT  
 CTCTCCACCTCATCCAATTTAGGGTCCCAGTACCAGTGTGAGAATGGTGTCTCTGGCCCTCCAGGACC  
 TTCTGCCCCACCTAACCATACCCACTGGCCAGGAGCACAGCCAAATTTACCACTGTACCAAGAGGAA  
 AGATGAGGAATGTTCCAGCACGGAGCACCCCTATAAGAAGCCGTACATGGAGACATCCCCAGCGAGGAA  
 GACACCTTCTATCGCTCGGGCTACCCAGCAGCAGGGCCTGAGTACCTTTACAGGACAGAGTCGGCCC  
 AGCGGCAGGCCTGCATGTATGCCAGCTCCGCTCCCCCAGCGAGCCCGTGCCTAGCCTGGAGGACATCAG  
 CTGTAACACATGGCCAGCATGCCCTCCTATAGCAGCTGTACCGTACCACCGTGCAGCCATGGACCGT  
 CTTCCCTACCAGCACTTCTCCGCTCATTTACCTCGGGGCCCTGGTCCCTCGGTTGGCTGGCATGGCCA  
 ACCATGGTTCTCCCAGCTCGGCGAAGGGATGTTTCCAGCACCAGACCTCAGTGGCCCATCAGCCTGTGGT  
 CAGGCAGTGGGGCCTCAGACTGGCCTTCACTCTCCGGGGCCCTCCAGCCCCAGAGTTTCTCTACACT  
 CACGGCGTCCCAGGACCCTGTCCCCCATCAGTACTCGGTACACGGCGTGGCATGGTCCAGAGT  
 GGAGTGAGAATAGCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_011537

**Insert Size:** 1557 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:** [BC090639](#), [AAH90639](#)

**RefSeq Size:** 3215 bp

**RefSeq ORF:** 1557 bp

**Locus ID:** 21388

**UniProt ID:** [P70326](#)

**Cytogenetics:** 5 60.42 cM

**Gene Summary:** DNA-binding protein that regulates the transcription of several genes and is involved in heart development and limb pattern formation. Binds to the core DNA motif of NPPA promoter. [UniProtKB/Swiss-Prot Function]