

## Product datasheet for **MC227909**

### **Tbx1 (NM\_001285472) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbx1 (NM_001285472) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbx1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC227909 representing NM\_001285472  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCACCTCAGCACAGTACCAGGGACATGGAAGCCTTCGACGCCAGCAGTCTGAGCGGCCCTGGGATCCC  
 CGTCGCCTGGCGCGACCCGTTTCGGCCCTCGCGAGCCGCCACCGCGCTACGATCCGTGCGCTGCAGT  
 CCCCAGTCCCGGGCCCGCCGCGCGCGCTATCCTTTTCGCGCCGCCCGGGGGCGGCTGGCAGC  
 TCGGCGCGGAGTCCGAGGGTCCGGGGGTAGCCGCGCGGCTGCGGTCAAGGCTCCGGTGAAGAAGAACC  
 CGAAGGTGGCCAGCGTGAGCGTGACGCTGGAGATGAAGGCGCTGTGGACGAGTTCAATCAGCTGGGCAC  
 CGAGATGATCGTACCAAGGCAGGCAGACGAATGTTCCCCAGTTCCAAGTGAAGCTTTTGAATGGAT  
 CCCATGGCCGACTACATGCTGCTCATGGACTTTGTGCCGTAGATGACAAGCGCTACCGGTATGCTTTCC  
 ATAGTCTCTCTGGTGGTGGCCGCAAGGCAGATCCTGTACACCTGGCCGAGTACACTACCACCCGGA  
 CTCGCCGCTAAGGGCGCACAGTGGATGAAACAGATTGTGTCTTTCGACAAGCTGAAACTGACCAATAAC  
 CTGCTGGATGACAATGGCCATATTATTCTCAACTCCATGCACAGATATACGCCCGATTCCATGTTGTCT  
 ATGTGGACCTCGAAAAGACAGTGAGAAATATGCAGAGGAGAAGTTCAAAACCTTTGTGTTTGAGGAGAC  
 ACGTTCACTGCAGTCACTGCCTACCAGAATCACCGGATCACGCAGCTTAAGATTGCCAGCAACCCCTTC  
 GCCAAAGGCTTCCGGGATTGCGACCCGGAGGACTGGCCCCGGAACCACCGGCCGGAGCGCTGCCGCTCG  
 TGAGTGCTTTGCTCGCTCTCGGAATCCCGTGGCTTCCCCACGCAGCCCAATGGCTCAGACAAAGACGC  
 TGCAGAAGCCCGCGGAGTTCGACCGTGACTCCGACCCGCAGCGCTCGGCGACGCTACGACCCGCCG  
 CAGTGTGGCGCGGTGCTGAGCCCGCACTGCCGGGCTGGCGGCTCGTCCCGTACCCGGCGGAT  
 CCGGAGCCGCCACAGTCCCGCGCAGCCGATCTGCGCCTGGAGGCGCCGGCGCGTCCGAGCCGCTGCA  
 CCACCATCCCTACAAGTACCCGGCCGCCGCTACGACCACTACCTCGGGGCCAAGAGCCGGCCGGCGCCC  
 TACCCGCTGCCAGGCTGCGCGGCCACGGCTACCACCCGCACGCGCACCCGCACGCGCACCCGCACCCG  
 ACCACCCCGCGGTGAACCCGGCCGCCGCGCGCTGCTGCCGACGACGCCAACGTTACTCGTCGGC  
 GGCCGCGCGCCCGGTGCCTACGACTACTGCCCCAGATAG

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001285472
- Insert Size:** 1440 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001285472.1](#), [NP\\_001272401.1](#)

**RefSeq Size:** 1858 bp

**RefSeq ORF:** 1440 bp

**Locus ID:** 21380

**Cytogenetics:** 16

**Gene Summary:** Probable transcriptional regulator involved in developmental processes. Is required for normal development of the pharyngeal arch arteries.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region compared to variant 1. The encoded isoform (2) is shorter and has a distinct N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.