

## Product datasheet for **MC227228**

### Tbx1 (NM\_001285476) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Tbx1 (NM\_001285476) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Tbx1  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC227228 representing NM\_001285476  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGTTCCCAAGTCCCAAGTGAAGCTTTTGGAAATGGATCCCATGGCCGACTACATGCTGCTCATGGACT  
 TTGTGCCCGTAGATGACAAGCGCTACCGGTATGCTTTCCATAGCTCCTCCTGGCTGGTGGCCGGCAAGGC  
 AGATCCTGCTACACCTGGCCGAGTACACTACCACCCGACTCGCCGGCTAAGGGCGCACAGTGGATGAAA  
 CAGATTGTGCTTTTCGACAAGCTGAAACTGACCAATAACCTGCTGGATGACAATGGCCATATTATTCTCA  
 ACTCCATGCACAGATATCAGCCCGATTCCATGTTGTCTATGTGGACCCTCGAAAAGACAGTGAGAAATA  
 TGCAGAGGAGAACTTCAAACTTTTGTGTTGAGGAGACACGCTTCACTGCAGTCACTGCCTACCAGAAT  
 CACCGGATCACGCAGCTTAAGATTGCCAGCAACCCTTCGCCAAAGGCTTCCGGGATTGCGACCCGGAGG  
 ACTGGCCCCGGAACCACCGGCCGGAGCGCTGCCGCTCGTGAGTGCCTTTGCTCGCTCTCGGAATCCCGT  
 GGCTTCCCCACGCAGCCAATGGCTCAGACAAAGACGCTGCAGAAGCCCGCGCGAGTTCGACCGTGAC  
 TCCGGACCCGACGCTCGGCGACGCTACGCACCCGCGCAGCTGCTGGCGCGCTGCTGAGCCCCGCAC  
 TGCCCGGGCTGGCGGCCTCGTCCGCTACCCGGCGGATCCGGAGGCCGCCACAGTCCCCGCACGCCGA  
 TCTGCGCCTGGAGGCGCCGGGCGCTCCGAGCCGCTGCACCACCATCCCTACAAGTACCCGGCCGCGCC  
 TACGACCACTACCTCGGGGCAAGAGCCGGCCGGCCCTACCCGCTGCCAGGCTGCGCGGCCACGGCT  
 ACCACCCGCACGCGCACCCGACGCGCACCCGCACCATACCACCACCCCGCGGTGAACCCGGCCGCGCC  
 CGCCGCTGCTGCCGACGAGCAACGTGTACTCGTCCGGCGCCGCGCCCGCGGTGCCTACGACTACTGC  
 CCCAGATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001285476  
 Insert Size: 1059 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001285476.1, NP_001272405.1</u>
<b>RefSeq Size:</b>	1782 bp
<b>RefSeq ORF:</b>	1059 bp
<b>Locus ID:</b>	21380
<b>Cytogenetics:</b>	16
<b>Gene Summary:</b>	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 (3) uses an alternate splice site in the 5' UTR which results in the use of a downstream start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus compared to isoform 1.