

## Product datasheet for **MC220763**

### **Tbx2 (NM\_009324) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbx2 (NM_009324) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbx2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220763 representing NM\_009324  
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGAGAGCCGGCGCTGGCAGCCAGGCCATGGCTTACCACCCGTTCCACGCGCCACGGCCCGCGACT  
 TCCCCATGTCGGCCTTCTGGCGGCAGCGAGCCCTCCTTCTCCCGGCCTAGCGCTGCCGCCGGCGC  
 GCTAGGCAAGCCTCTGCCGACCCGGCCCTGGCGGGGGCGGCGCGCAGCAGCGGGCGGCGGGC  
 GCCGAGGCGGGGCTGCACGTCTCGGCACTCGGCCCGCACCCGCCCGCGCATCTGCGCTCGTCAAGA  
 GCCTGGAACCCGAGGACGAGGTGGAGGACGACCCCAAGGTGACGCTGGAGGCAAGGAGCTGTGGGACCA  
 GTTCCACAAGCTGGGCACCGAGATGGTCATCACCAAGTCCGGGAGGCGGATGTTCCCCCCTTCAAGGTG  
 CGAGTCAGCGGCCTGGACAAGAAAGCCAAATACATCCTGCTAATGGACATCGTGGCTGCCGATGACTGCC  
 GCTATAAGTTTCAAACTCCCGTGGATGGTGGCAGGCAAGCCGACCCCGAGATGCCTAAACGCATGTA  
 CATCCACCCGGACAGTCCGGCCACAGGGGAACAGTGGATGGCCAAGCCTGTGGCCTTCCACAACCTGAAG  
 CTGACCAACAACATTTCTGACAAGCATGGCTTTACCATCCTGAACTCCATGCACAAGTACCGCCGCGAT  
 TCCACATCGTGGCAGCCAATGACATCTTGAAGCTCCCATACAGCACCTTCCGCACCTATGTCTTCCAGA  
 GACCGACTTATCGCTGTCACTGCCTACCAGAATGACAAGATTACACAGCTGAAGATCGACAACAACCC  
 TTTGCCAAGGGCTTCCGGGACACTGGGAACGGCCGTGGGAGAAAAGGAAGCAGCTAACGCTGCCACTC  
 TCCGTTTGTATGAGGAGCACTGTAAAGCCGGAGCGTGATGGCGTGAATCCGATGCCTCGTCTGCGACCC  
 TCCGCCTGCGCGAGAACCACCGCCCTCCCCAGCGCAGCGCCAGCCCTTGGCCTACACCGGGCCCGA  
 GCCGAGGAGAAGCCGGGCGCAGCCGACAGCGATCCTGAGCCGAGCGGACGGGGGAGGAGCGCTCCGCG  
 GCCTTGGCCCGCAGCCCTTCCGGGACGCGCAGCCCGCTCGTTGACCGAACCAGGCTCCCGGGA  
 CGGGCGCAGCCCGGAGAGGTGCAGCAAGGAACCGACGGAGGGCGGTGGGACGGCCCGTTTAGCCTGCGG  
 AGCCTGGAGAAGGAGCGTCCCGAGGCCGAGGAAGGACGAGGGGCGCAAGGACGTGGGTGAGGGCAAGG  
 AGCCAGCCTGGCGCGCTGGTGGTGCAGACAGACAGTGCCTCCCCCTGGGTGCGGGCCATCTGCCTGG  
 CCTGGCCTTCTCCAGCCACTGCATGGGCAGCAGTTCTTTGGGCCGCTGGGAGCTGGCCAGCCCTCTTC  
 CTGACCCAGGACAATTCGCCATGGGCCCGGAGCCTTCTCCGCCATGGGCATGGGTGATCTGCTAGCCT  
 CGGTGGCAGGCGGAGTGGCAGTAGCGGAGGCGCCGTCGCGGAACCGCGCGGGGCTGGACGAGGCGG  
 GCTAGGTCCCGCAGCCAGCGCAGCAAGCACCAGCGCTCCCTTCCCGTTCCACTCTCCAGCATATGCTG  
 GCATCTCAGGGAATCCCAATGCCACTTTCGGAGGCCTTTCCCTACCCGTACACTTACATGGCAGCAG  
 CGGCCCGCGCCGCTCCGCTTACCCGCCACCAGCGCTGCAGCTGCCGCCGCCGACCGCTGGTTCAAT  
 ATCACGGAGCCATTTCTGGGCAGTGCCTGGCCCGCTCTGCGCTTCACTCCTTACCAGATCCCTGTCAAC  
 ATCCACCTAGCACTAGCCTCCTTACCACCGGGCTGGCGCGGAGGGCTCCAAGGGCGGAAATAGCCGTG  
 AGCCAGTCCGCTGCCTGAGTGGCTCTCCGAAAAGTGGGGGGCCATCCCGCGGGGCCATCGCCCGAG  
 CGGCTCAGCCAAAGAGGCGGCCAGTGAAGTGCAGAGCATCCAGAGACTGGTGAGTGGGCTAGAGAGCCAG  
 CGAGCCCTCTCCCCGGCCGGGAGTCCGCCAAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1624\\_c07.zip](https://cdn.origene.com/chromatograms/ja1624_c07.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_009324

**Insert Size:** 2136 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).

<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><a href="#">NM_009324.2</a></u> , <u><a href="#">NP_033350.2</a></u>
<b>RefSeq Size:</b>	3562 bp
<b>RefSeq ORF:</b>	2136 bp
<b>Locus ID:</b>	21385
<b>UniProt ID:</b>	<u><a href="#">Q60707</a></u>
<b>Cytogenetics:</b>	11 51.34 cM
<b>Gene Summary:</b>	Involved in the transcriptional regulation of genes required for mesoderm differentiation. Probably plays a role in limb pattern formation. Acts as a negative regulator of PML function in cellular senescence. May be required for cardiac atrioventricular canal formation (By similarity).[UniProtKB/Swiss-Prot Function]