

## Product datasheet for **MC215989**

### **Tbx20 (NM\_194263) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbx20 (NM_194263) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbx20
Synonyms:	9430010M06Rik; AL022859; Tbx12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC215989 representing NM\_194263  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAGTTCACGGCGTCGCCAAGCCCCAGCTCTCTCTCGAGCCAATGCCTTCTCCATCGCCGCGCTTA  
TGTCACGCGCGGCCCAAGGAGAAGGAGGCAGCAGAGAACCACCATCAAACCCCTGGAACAATTTGTGGA  
GAAATCATCATGTGCCAGCCACTGGGTGAGCTGACGAGTCTGGATGCTCACGCGGAGTTTGGCGCGGG  
GGCGCAGCCCATCCTCATCCTCTCTGTGCACAGAGCCACTGATACCCACCACCCCATCATCCCCAGCG  
AAGAGATGGCTAAAATCGCTGCAGCCTGGAAACGAAGGAGCTCTGGGACAAATTCATGAACTGGGCAC  
GGAGATGATAATACCAAGTCTGGCAGGAGGATGTTCCCACCATCCGCGTGTCTTTTCTGGAGTGGAT  
CCTGAGTCCAAGTATATAGTCTGATGGACATCGTCCCGTGGACAACAAGAGATACCGCTATGCCTACC  
ACCGGTATCCTGGCTGGTGGTGGCAAAGCTGATCCCCGCTGCCAGCCAGGCTCTACGTGACCCAGA  
CTCCCCCTTACTGGCGAGCAGCTCCTCAAACAGATGGTGTCTTTGAAAAGGTGAAGCTCACCAACAAT  
GAACTGGATCAACACGGCCATATAATTTGAAATCAATGCATAAGTACCAGCCACGGGTGCACATCATAA  
AGAAGAAAGACCACGGCCTCCTTGCTCAATCTGAAGTCAGAAGAATTCAGGACGTTTCTTTCCAGA  
GACAGTTTTACAGCAGTACAGCCTACCAGAACCAACTGATAACCAAGCTGAAAATAGACAGCAATCCG  
TTTGCCAAAGGATTCCGGGACTCCTCCAGGCTCACTGACATTGAGAGGGAGAGTGTGGAGAGCCTGATCC  
AGAAGCATTCTATGCCCGGTACCCATCCGCACCTATGGGGAAGAGGATGTTCTGGGGGAGGAGAGTCA  
AACAACTCAGAGTCGAGGATCAGCCTTACAACATCTGACAATTTGTCTCTCAGTTCCTGGGTATCGTCA  
TCTTCCAGTTTTCTGGATTTTACAGATCCACAGCCCTGACTGCTTGGTACCAGTACAGCATCCATAG  
CGACCGATTCTCACCTATACAGGGTCTCTGCCACCATATAGCCGCTGGGAAATGCCTCTGACCCC  
ATCTGCAATAGCCAGCTCCATGCAGGGAAGTGGTCCACGTTCCCTTCATTCCACATGCCTAGATACCAT  
CACTACTTCCAGCAGGGCCCTACGCTGCCATCCAAGACTTCGCCACTCCTCCGCTGTGATGACGCCAT  
TTGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_194263

**Insert Size:** 1338 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: [NM\\_194263.2](#), [NP\\_919239.1](#)

RefSeq Size: 6436 bp

RefSeq ORF: 1338 bp

Locus ID: 57246

UniProt ID: [Q9ES03](#)

Cytogenetics: 9 A4

**Gene Summary:** Acts as a transcriptional activator and repressor required for cardiac development and may have key roles in the maintenance of functional and structural phenotypes in adult heart. [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).