

## Product datasheet for **MC217660**

### **Tbx22 (NM\_181319) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbx22 (NM_181319) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbx22
Synonyms:	D230020M15Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217660 representing NM\_181319  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGACACAGAGATACCCACTGCTGCTTCTAGCCTACCAGGGATGGCTCTGAGCTCTCGCGCAGCGCT  
TCTCCGTGGAGGCCTTAATGGGGAGACCCAGCAAAAGAAAAGCTCAAGACCCAAGAGAGGAGATGCAGCC  
TGAGCTGCAGGAGGAGCAGTTTCGTGGAGGAAGGGGAGGAGATACTGAGGAGCCCTTCTAGGGACAGTCAA  
CAGCCCGAAAAGCGACTCAAGGCAGAATCTTCAAAAAGTGTTCCTGCTCTGACGAGAGCAACAGCC  
AGGAAAGTCTGCAAGAAGAAAGTGTATCCAAGTGGAGCTTCAGGGATCTGACCTATGGAAGAGATTCCA  
CGACATTGGCACTGAGATGATCATTACCAAGCGGGCAGACGTATGTTTCCTTCTGTTCCGATCAAGGTG  
AAAGGGATGGACCCTGTGAAGCAGTACTATGTATTTGGACGTGGTACCGGTGGATTCAAACGCTATA  
GGTATGTGTATCACAGCTCACAGTGGATGGTAGCTGAAAATACTGACCATTTCGTGCATAACTCCCAGATT  
CTATGTCCACCCGACTCCCCTTCTGCTGAGAAAAGTGGATGCGTCAAATCATCTCTTTTGATCGAGTG  
AAACTCACAACAATGAGATGGATGACAAGGGCCATATCATTCTGCAGTCCATGCATAAGTACAACCCCC  
GTGTGCATGTGGTGAACAGGACAGCAGGATTGACCTGTCCCTGATTGAGTCCTTTCCTACGGAAGGCGT  
TAAACATTCTCCTTTAAAGAACTGAATTCACTACTGTGACAGCTTACCAAAACAGCAGATTACCAAA  
CTGAAAATAGACAGGAATCCTTTTGCCAAAGGATTTAGAGATCCTGGGAGAAAATAGGGGTGCTTAGATG  
GATTTTATAGACCTACCCATGGATGCCTTCTTCTCTATGGATTTTAAAAGTCTTGTACAGACACACA  
AAGTGAAGCAGTGGCTCATCTCCAGTGACCTCTAGTGGAGGAGCTCCCTCTCCTTTGAACTCCTTACTT  
TCTCCATCTTGTCTCCACCTATGGTTTACATACCTCCAAGCTCCTTTGGGATGACCTATCCAGATGCAT  
ACCTGCCAGTGTCAACATACCCTTCTGCTACAGAATTTGCAACTAATAATTGGCGATCACAACCTTT  
TGTTTTACCTACTCCTGAAAGGCTACCAAGTTTTCATCATTCTCAGACCTTACCCCACTCATGATGGAA  
GTCCCAGTGGTATCCTCCAGGGCATCATCAATCCAACAGTGGCTTACATGAAGACTGCAATGGGCAGT  
GTCTACAAGCATCTATTCTGCCAATCAATGTTATATGGATTACAGAATCCTGGAACATTTTCCATCC  
AAACGCCATTGCCAAGAAGCAATCAGTTATCCTTTTTCATCCTCCTAATGGCTGTTATAGGTACACCATC  
TCCATGCCACCTAGACTGGAAAATGTTGCCAGTCACCTCAGTAAAATGGTACCAGTCAGATTTCTTTTA  
CTGAAGGTAGCTGTGATCATTCCATTGGTATCCAGCCATTAACCATTACCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_181319

**Insert Size:** 1596 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\\_181319.5](#), [NP\\_851836.2](#)

**RefSeq Size:** 1734 bp

**RefSeq ORF:** 1596 bp

**Locus ID:** 245572

**UniProt ID:** [Q8K402](#)

**Cytogenetics:** X 47.59 cM

**Gene Summary:** Probable transcriptional regulator involved in developmental processes. This is major determinant crucial to palatogenesis.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' UTR and initiates translation from an alternate start codon, compared to variant 1. The encoded isoform (2) has a longer N-terminus than isoform 1. CCDS Note: The coding region has been updated to represent an alternative splicing pattern, resulting in an extended N-terminus that is more supported by the available transcript data, and by conservation in rat.