

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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217660 representing NM_181319
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGACACAGAGATACCCACTGCTGCTTCTAGCCTACCAGGGATGGCTCTGAGCTCTCGCGGCACGCCT
 TCTCCGTGGAGGCCTTAATGGGGAGACCCAGCAAAAGAAAAGCTCAAGACCCAAGAGAGGAGATGCAGCC
 TGAGCTGCAGGAGGAGCAGTTCTGTGAGGAAGGGAGGAGATACTGAGGAGCCCTTCTAGGGACAGTCAA
 CAGCCCCAAAAGCGACTCAAGGCAGAATCTTCAAAAAGTGTCTCTGCTCTGACGAGAGCAACAGCC
 AGGAAAGTCTGCAAGAAGAAAGTGTATCCAAGTGGAGCTTCAAGGATCTGACCTATGGAAGAGATTCCA
 CGACATTGGCACTGAGATGATCATTACCAAGCGGGCAGACGTATGTTTCCTTCTGTTCCGATCAAGGTG
 AAAGGGATGGACCCTGTGAAGCAGTACTATGTGATTTTGGACGTGGTACCGGTGGATTCCAAACGCTATA
 GGTATGTGTATCACAGCTCACAGTGGATGGTAGCTGGAATACTGACCATTCTGTCATAACTCCAGATT
 CTATGTCCACCCGACTCCCCTTCTCTGGAGAAAAGTGGATGCGTCAAATCATCTCTTTTGATCGAGTG
 AAACCTACCAACAATGAGATGGATGACAAGGGCCATATCATTCTGCACTCCATGCATAAGTACAACCCCC
 GTGTGCATGTGGTGAACAGGACAGCAGGATTGACCTGTCCCTGATTGAGTCCTTCTACGGAAGGCGT
 TAAACATTCTCCTTTAAAGAACTGAATTCACCTACTGTGACAGCTTACCAAAACCAGCAGATTACCAAA
 CTGAAAATAGACAGGAATCCTTTTGCCAAAGGATTTAGAGATCCTGGGAGAAATAGGGGTGCTTAGATG
 GATTTTTAGAGACCTACCATGGATGCCTTCTTCTCTATGGATTTTAAACTTTTGTACAGACACACA
 AAGTGAAGCAGTGGCTCATCTCCAGTGACCTCTAGTGGAGGAGCTCCCTCTCCTTTGAATCCTTACTT
 TCTCCATCTTGTCTCCACCTATGGTTTACATACCTCCAAGCTCCTTTGGGATGACCTATCCAGATGCAT
 ACCTGCCAGTGTCAACATACCCTTCTGCTACAGAATTTGTCCAATAAATTGGCGATCACAACCTTT
 TGTTTTACCTACTCCTGAAAGGCTACCAAGTTTTCATCATTCTCAGACCTTACCCCACTCATGATGGAA
 GTCCCACTGGTATCCTCCAGGGCATCATCAATCCAACAGTGGCTTACATGAAGACTGCAATGGGCAGT
 GTCTACAAGCATCTATTCTGCCAATCAATGTTATATGGATTACAGAATCCTGGAACATTTTCCATCC
 AAACGCCATTGCCAAGAAGCAATCAGTTATCCTTTTCATCCTCTAATGGCTGTTATAGGTACCATC
 TCCATGCCACCTAGACTGGAAAATGTTGCCAGTCACCTCAGTGAAAATGGTACCAGTCAGATTTCTTTTA
 CTGAAGGTAGCTGTGATCATTCCCATGGTATCCAGCCATTAACCATTACCTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

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.