

Product datasheet for **MC226985**

Tbx22 (NM_001290747) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tbx22 (NM_001290747) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tbx22
Synonyms: D230020M15Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226985 representing NM_001290747
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTCTCTAGAGGAGATCATTCTGCAGTCCATGCATAAGTACAACCCCGTGTGCATGTGGTGAAC
 AGGACAGCAGGATTGACCTGTCCCTGATTGAGTCTTTCTACGGAAGGCGTTAAACATTCTCCTTTAA
 AGAAACTGAATTCACACTGTGACAGCTTACAAAACCAGCAGATTACAAACTGAAAATAGACAGGAAT
 CCTTTTGCCAAAGGATTTAGAGATCCTGGGAGAAATAGGGGTGTCTTAGATGGATTTTAGAGACCTACC
 CATGGATGCCTTCTTCTCTATGGATTTTAAAACCTTTGTCCACAGACACAAAAGTGAAGCAGTGGCTC
 ATCTCCAGTGACCTCTAGTGGAGGAGCTCCCTCTCCTTTGAACCTCTTACTTTCTCCATCTTGTCTCCA
 CCTATGGTTTACATACCTCCAAGCTCCTTTGGGATGACCTATCCAGATGCATACCTGCACAGTGTCAACA
 TACCCTTCTGCTACAGAATTTGTCCAATAAATTGGCGATCACAACCTTTGTTTTACCTACTCCTGA
 AAGGCTACCAAGTTTCATCCTCAGACCTTACCCCACTCATGATGGAAGTCCCAGTGGTATCCTCC
 AGGGGCATCATCAATCCAACAGTGGCTTACATGAAGACTGCAATGGGCAGTGTCTACAAGCATCTCATT
 CTGCCAATCAAATGTTATATGGATTACAGAATCCTGAAACATTTCCATCCAACGCCATTGCCCAAGA
 AGCAATCAGTTATCCTTTTCATCCTCCTAATGGCTGTTATAGGTACACCATCTCCATGCCACCTAGACTG
 GAAAATGTTGCCAGTCACCTCAGTGAAAATGGTACCAGTCAGATTTCTTTACTGAAGGTAGCTGTGATC
 ATTCCATTGGTATCCAGCCATTAACCATTACCTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290747
Insert Size: 948 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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_001290747.1 , NP_001277676.1
RefSeq Size:	3073 bp
RefSeq ORF:	948 bp
Locus ID:	245572
UniProt ID:	Q8K402
Cytogenetics:	X 47.59 cM
Gene Summary:	<p>Probable transcriptional regulator involved in developmental processes. This is major determinant crucial to palatogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' and 3' UTRs, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.</p>