

Product datasheet for **MC226898**

Tbx20 (NM_001205085) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tbx20 (NM_001205085) 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
Fully Sequenced ORF: >MC226898 representing NM_001205085
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGAGTTCACGGCGTCGCCAAGCCCCAGCTCTCCTCTCGAGCCAATGCCTTCTCCATCGCCGCGCTTA
 TGTCACGCGCGGCCCAAGGAGAAGGAGGCAGCAGAGAACACCATCAAACCCCTGGAACAATTTGTGGA
 GAAATCATCATGTGCCAGCCACTGGGTGAGCTGACGAGTCTGGATGCTCACGCGGAGTTTGGCGCGGG
 GCGGCGAGCCATCCTCATCCTCTCTGTGCACAGAGCCACTGATACCCACCACCCCATCATCCCCAGCG
 AAGAGATGGCTAAAATCGCTGCAGCCTGGAAACGAAGGAGCTCTGGGACAAATCCATGAACTGGGCAC
 GGAGATGATAATCACAAGTCTGGCAGGAGGATGTTCCCCACCATCCGCGTGTCAATTTCTGGAGTGGAT
 CCTGAGTCCAAGTATATAGTCTGATGGACATCGTCCCGGTGGACAACAAGAGATACCGCTATGCCTACC
 ACCGGTCACTCTGGCTGGTGGCTGGCAAAGCTGATCCCCCGTGCCAGCCAGGCTCTACGTGCACCCAGA
 CTCCCCCTTTACTGGCGAGCAGCTCCTCAAACAGATGGTGTCTTTTGGAAAGGTGAAGCTACCAACAAT
 GAACTGGATCAACACGGCCATATAATTTTGAATTCAATGCATAAGTACCAGCCACGGGTGCATCATAA
 AGAAGAAAGACCACAGGCTCCTTGCTCAATCTGAAGTCAGAAGAATTCAGGACGTTTCATCTTTCCAGA
 GACAGTTTTACAGCAGTACAGCCTACCAGAACCAACTGATAACCAAGCTGAAAATAGACAGCAATCCG
 TTTGCCAAAGGATTCCGGGACTCCTCCAGGCTCACTGACATTGAGAGGGACCTTTGAAGAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001205085
Insert Size: 906 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: | <u>NM_001205085.1</u> , <u>NP_001192014.1</u> |
| RefSeq Size: | 1427 bp |
| RefSeq ORF: | 906 bp |
| Locus ID: | 57246 |
| UniProt ID: | <u>Q9ES03</u> |
| 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 (3) differs at the 3' end compared to variant 1. This results in a frame-shift, and a shorter isoform (c) with a distinct C-terminus compared to isoform a. |