

## Product datasheet for **MC219742**

### **Tbx18 (NM\_023814) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbx18 (NM_023814) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbx18
Synonyms:	2810012F10Rik; 2810404D13Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219742 representing NM\_023814  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGAGAAGCGGAGGGGCTCACCGTGCAGCATGCTAAGCCTCAAGGCGCACGCCTTCTCTGTGGAGG  
 CACTGATCGGCGCCGAGAAGCAGCAACAGCTTCAAAGAAGCGGAGAAAGCTGGCCACGGAAGAGCGGC  
 GGGGGCGGTGGAAGAGCGAGGCTGCAGCCGTAGCGGAGGCGCGGGGAGCACGGTCTCGGAGGCCGAC  
 GAAGAAGCGGCTGCCCGCCGCCGAGCCGGGGCGCGTCCGGGCCAGCGCGGAGCTGCGCGGACGCGG  
 AGCGGAGCTGTGGCTCCCGCGGAGCGCGGGCAGCTGTGAGGATGGCTTCTGCAGGGCGCTCCCGTT  
 GGCATCCCGGGAGGCTCCCGAAAGGGTCTCCCGTACCTGGCTTGGCACGACCGGGGACCCCGTCCCG  
 GCGCCGACGGCCCGAGAGTAGATCTGCAAGGAGCGGAGCTCTGGAAGCGCTTTCACGAAATAGGCACCG  
 AGATGATCATACCAAAGCCGGCAGGCGCATGTTCCAGCAATGCGGGTGAAGATCTCCGGATTAGACCC  
 TCACCAGCAATATTACATTGCCATGGATATTGTCCGGTGGACAACAAGAGATACAGGTATGTTTACCAT  
 AGCTCTAAGTGGATGGTGGCAGGAAATGCTGATTCGCCCGTGGCCACCCAGAGTATACATTATCCAGACT  
 CACCGGCCTCTGGGGAGACTTGGATGAGACAAGTCATCAGCTTCGACAAGCTGAAACTTACCAACAATGA  
 GCTGGATGACCAAGGCCATATCATTCTTATTCTATGCACAAATACCAACCACGTGTGCATGTCATCCGT  
 AAAGATTGCGGAGATGATCTGTCCCCATCAAGCCTGTTCATCAGGAGAGGGAGTGAAGGCATTCTCT  
 TTCCAGAAACCGTCTTCACAACTGTCACTGCCTATCAGAATCAGCAGATTACTCGCCTTAAGATAGACAG  
 GAATCCATTTGCCAAAGTTTCCGAGACTCTGGGAGGAACAGAATGGGTTTGAAGCTCTGGTGGAGTCA  
 TACGCATTCTGGAGGCCATCACTACGGACTCTCACCTTGAAGATATCCCTGGAATCCCAAAGCAAGGCA  
 ACACAAGTTCTCAGCTCTGCTCCAAGGCACTGGGAATGCTGTCCCTGTACACATCCTCACCTGTTGTC  
 TGGATCCTCTTGCTCCTCTCCTGCCTTCCATCTGGGGCCGAACACCAGCCAGCTGTGTAGTCTGGCTCCA  
 GCTGACTATTCGGCCTGTGCCGTTTCCAGCCTTCCCTCAATCGATACAGCACATCCTTGGCAGAGACCT  
 ACAGCAGGCTTACCAACCAGAGCAGTGAGACCTTTGCCCCACCTAGGACTCCTTCTACGTGAGTGTGAG  
 CAGCAACCCGTCTGTGAACATGTCCATGGGCGGCACTGATGGGGACACCTTACGTGCCACAGACCAGC  
 CTGTCCATGCAGATTTAGGAATGTCCCTCAACTTCACTACATCATGCCATCGCCGTCCGGCAATGCCT  
 TTGCTGCTAACCCAGACCCACCAGAGTCTTACAACACCTCCGATTGCACAGTCCCTGTGCCTTGTATGG  
 ATATAACTTCTCCACATCCCCAAACTGGCTGCCAGTCTGAGAAAATTGTTTCTTCCAAAGGAAGTTTC  
 TTGGGGTCTCACCAAGTGGGACCATGACTGATCGTCAGATGTTGCCCCCTGTGGAAGGAGTGCACCTGC  
 TCAGCAGTGGGGCCAGCAGAGTTTCTTACTCCAGGACCTAGGAAGTTTAACTCTGCCATCTTCTCA  
 AGTGTCTGCACATATGGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_023814

**Insert Size:** 1842 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\\_023814.4](#), [NP\\_076303.3](#)

**RefSeq Size:** 4679 bp

**RefSeq ORF:** 1842 bp

**Locus ID:** 76365

**UniProt ID:** [Q9EPZ6](#)

**Cytogenetics:** 9 47.06 cM

**Gene Summary:** Acts as transcriptional repressor involved in developmental processes of a variety of tissues and organs, including the heart, the coronary vessels, the ureter, and the vertebral column. Required for embryonic development of the sino atrial node (SAN) head area.  
[UniProtKB/Swiss-Prot Function]