

## Product datasheet for **MC218820**

### **Tbx4 (NM\_011536) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbx4 (NM_011536) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbx4
Synonyms:	3930401C23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC218820 representing NM\_011536.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGCAGGATAAGGGCCTGTCCGAGAGCGAGGAGCCTTCAGGGCCCCGGGCCAGCTCTCGGGGAG
GCCAGCAACTAGCACCACCAACGCCCCCGAACCCGCGCTGGCCACGCCGGCCTTAGTGGAGCAGCG
CTCAGCAGCCACCGGGCCAGGGCGCCGACGTCGCCGCCGCCGCTGCCGCCGCGAGCAGACCATC
GAGAACATCAAGGTGGGGCTGCATGAGAAGGAGCTGTGGAAGAAGTTCCACGAGGCAGGCACGGAGATG
ATCATACCAAGGCCGGCAGGAGGATGTTCCCGAGCTACAAGGTAAGTACACAGGCATGAACCCCAAG
ACCAAGTACATACTTCTCATCGACATCGTCCCGCAGATGACCATCGCTACAAGTTCTGTGACAACAAA
TGGATGGTCGACAGGAAGGCTGAGCCGGCCATGCCAGGAAGACTTTATGTGACCCGGATTCTCTGACC
ACCGGGGCTCACTGGATGCGGCAGTTGGTCTCTTCCAGAAGCTGAAGCTGACAAACAACCACCTGGAC
CCCTTTGGCCATATCATCTCAACTCCATGCATAAGTACCAGCCAAGGCTGCACATCGTTAAGGCCGAC
GAGAACAATGCTTTTGGCTCCAAAAACACAGCCTTTTGCACCCAGTGTCCAGAGACCTCCTTATC
TCTGTGACCTCCTACCAGAACCAAGATCACCCAGCTGAAAATTGAGAACCAACCTTTTGCCAAGGGA
TTCGGGGCAGCGATGACAGTGACCTGCGTGTGGCCCGGTTGCAGAGCAAGGAGTATCCCGTGATCTCC
AAAAGCATCATGAGGCAGAGGCTCGTTTCCAGCCAACCTCTCGGCTAAGCCAGATGTGAGCCCCCTGCAC
AGCGCACACCAGGCCCTGCAGCACTACCAGTATGAGAAATGGGGCCACATGCAGTTTGTGCTGCAGAG
CCCCAGGACCTGCCCTCAACACCTTCCCAACTCAGAGGGACTCCAGCCTTCTTACCAGTGCCTGAAG
CGTAGAGACAGTGCCCGCCACCTGGACTTGCCCTGCAAGCGATCCTACCTGGAACCCCTTTCAGTG
GGGGACGATCACTATTTCCGTTCTCCCCCTCCCTACGACCAGCAGATGCTGAGCCCTTCTATTGCAGT
GAGGTGACCCCCAGAGAAGCCTGTATGTACTCGAGTTCCGGGCCCTGAGATCGCAGGGGTGCAGCCGTG
GACGACCTGCCCCACCCCACTGAGCTGTAACATGTGGACGTCGGTGTGCCATACACCAGTACAGC
GTTCCAGACCATGGAGACTGTGCCTTACCAGCCCTTCCCGCACACTTTACTGCCACCACAGTGATGCCT
CGGCTGCCACCATCGCCGCCAGAGCGCCAGCCAGGAAATGCCCACTTTAGTGTGTACAATCAG
CTATCCAGTCTCAGGTCCGAGAGCGGGGGCCCTCTGCTTCCCTTAGAGAGCGTGGCCTCCCTGGG
ATGTGTGAGAGGAAGCCACCTCACCTGAACTGCCAACGAGTTCCTTACTCACAGAGCTTC
TCCTTGACCCGGGAGTCATCTTACAGTATCATTAGGGATGGGGACTGTGGAGAACTGGACCGATGA
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1338\\_c01.zip](https://cdn.origene.com/chromatograms/ja1338_c01.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_011536

**Insert Size:** 1659 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\\_011536.2](#)

**RefSeq Size:** 3011 bp

**RefSeq ORF:** 1659 bp

**Locus ID:** 21387

**UniProt ID:** [P70325](#)

**Cytogenetics:** 11 51.42 cM

**MW:** 61.1 kDa

**Gene Summary:** Involved in the transcriptional regulation of genes required for mesoderm differentiation. Probably plays a role in limb pattern formation.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longer isoform (a).