

Product datasheet for **MR227271**

Tbx20 (NM_194263) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx20 (NM_194263) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbx20
Synonyms:	9430010M06Rik; AL022859; Tbx12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR227271 representing NM_194263
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGTTCACGGCGTCGCCAAGCCCCAGCTCTCCTCTCGAGCCAATGCCTTCTCCATCGCCGCGCTTA
 TGTCACGCGCGGCCCAAGGAGAAGGAGGCAGCAGAGAACCACCATCAAACCCCTGGAACAATTTGTGGA
 GAAATCATCATGTGCCACGCCACTGGGTGAGCTGACGAGTCTGGATGCTCACGCGGAGTTTGGCGGCGGG
 GGCGGCAGCCCATCCTCATCCTCTCTGTGCACAGAGCCACTGATACCCACCACCCCATCATCCCCAGCG
 AAGAGATGGCTAAAATCGCTGCAGCCTGGAAACGAAGGAGCTCTGGGACAAATTCATGAACTGGGCAC
 GGAGATGATAATACCAAGTCTGGCAGGAGGATGTTCCCACCATCCGCGTGTCTTTTCTGGAGTGGAT
 CCTGAGTCCAAGTATATAGTCTGATGGACATCGTCCCGTGGACAACAAGAGATACCGCTATGCCTACC
 ACCGGTACCTGGCTGGTGGTGGCAAAGCTGATCCCCGCTGCCAGCCAGGCTCTACGTGACCCAGA
 CTCCTCCCTTTACTGGCGAGCAGCTCCTCAAACAGATGGTGTCTTTGAAAAGGTGAAGCTCACCAACAAT
 GAACTGGATCAACACGGCCATATAATTTGAAATCAATGCATAAGTACCAGCCACGGGTGCACATCATAA
 AGAAGAAAGACCACCGCCTCCTTGCTCAATCTGAAGTCAGAAGAATTCAGGACGTTTCTTTCCAGA
 GACAGTTTTACAGCAGTACAGCCTACCAAGCAACTGATAACCAAGCTGAAAATAGACAGCAATCCG
 TTTGCCAAAGGATTCCGGGACTCCTCCAGGCTCACTGACATTGAGAGGGAGAGTGTGGAGAGCCTGATCC
 AGAAGCATTCTATGCCCGGTACCCATCCGCACCTATGGGGAAGAGGATGTTCTGGGGGAGGAGAGTCA
 AACAACTCAGAGTCGAGGATCAGCCTTTACAACATCTGACAATTTGTCTCTCAGTTCCTGGGTATCGTCA
 TCTTCCAGTTTTCTGGATTTTCCAGTCCACAGCCCTGACTGCTTGGTACCAGTACAGCATCCATAG
 CGACACCGATTCTCACCTATACAGGGTCTCTGCCACCATATAGCCGCTGGGAATGCCTCTGACCCC
 ATCTGCAATAGCCAGCTCCATGCAGGGAAGTGGTCCACGTTCCCTTATTCCACATGCCTAGATACCAT
 CACTACTTCCAGCAGGGCCCTACGCTGCCATCCAAGACTTCGCCACTCCTCCGCTGTGATGACGCCAT
 TTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227271 representing NM_194263
 Red=Cloning site Green=Tags(s)

MEFTASPKPQLSSRANAFSIAALMSSGGPKEKEAAENTIKPLEQFVEKSSCAQPLGELTS LDAHAIEFGGG
 GGSPSSSSLCTEPLIPTPIIPSEEMAKIACSLKELWDFHELGTEMIITKSGRRMFPTIRVSFSGVD
 PESKYIVLMDIVPVDNKRYRYAYHRSSWL VAGKADPPLPARLYVHPDSPFTGEQLLKQMVSEKVKLTNN
 ELDQHGHIILNSMHKYQPRVHI IKKKDHTASLLNLKSEEFRTFIFPETVFTAVTAYQNQLITKLKIDSNP
 FAKGFRDSSRLTDIERESVESLIQKHSYARSPIRTYGEEVDLGEESQTTQSRGSAFTTSDNLSLSSWSS
 SSSFPGFQHPQPLTALGTSTASIAATPIPHPIQGS LPPYSRLGMPLTPSAIASSMQSGPTFFSFHMPRYH
 HYFQQGPYAAIQGLRHSSAVMTPFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9059_b12.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_194263

ORF Size: 1335 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_194263.2](#), [NP_919239.1](#)

RefSeq Size: 6436 bp

RefSeq ORF: 1338 bp

Locus ID: 57246

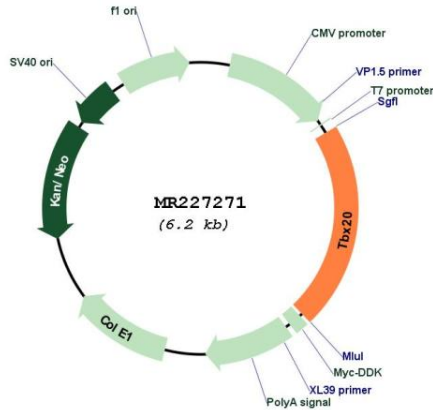
UniProt ID: [Q9ES03](#)

Cytogenetics: 9 A4

MW: 49.1 kDa

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]

Product images:



Circular map for MR227271