

Product datasheet for **MG227271**

Tbx20 (NM_194263) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx20 (NM_194263) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tbx20
Synonyms:	9430010M06Rik; AL022859; Tbx12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG227271 representing NM_194263
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGTTCACGGCGTCGCCAAGCCCCAGCTCTCCTCTCGAGCCAATGCCTTCTCCATCGCCGCGCTTA
 TGTCCAGCGCGGCCCAAGGAGAAGGAGGCAGCAGAGAACACCATCAAACCCCTGGAACAATTTGTGGA
 GAAATCATCATGTGCCAGCCACTGGGTGAGCTGACGAGTCTGGATGCTCACGCGGAGTTTGGCGCGGG
 GGCGGCAGCCCATCCTCATCCTCTCTGTGCACAGAGCCACTGATACCCACCACCCCATCATCCCCAGCG
 AAGAGATGGCTAAAATCGCCTGCAGCCTGGAAACGAAGGAGCTCTGGGACAAATTCATGAAGTGGGCAC
 GGAGATGATAATACCAAGTCTGGCAGGAGGATGTTCCCACCATCCGCGTGTCAATTTCTGGAGTGGAT
 CCTGAGTCCAAGTATATAGTCTGATGGACATCGTCCCGGTGGACAACAAGAGATACCGCTATGCCTACC
 ACCGGTCATCCTGGCTGGTGGCTGGCAAAGCTGATCCCCGCTGCCAGCCAGGCTCTACGTGCACCCAGA
 CTCCCCCTTTACTGGCGAGCAGCTCCTCAAACAGATGGTGTCTTTGAAAAGGTGAAGCTACCAACAAT
 GAACTGGATCAACACGGCCATATAATTTGAATTCAATGCATAAGTACCGCCACGGGTGCACATCATAA
 AGAAGAAAGACCACACGGCCTCCTTGCTCAATCTGAAGTCAGAAGAATTAGGACGTTTCTCTTTCCAGA
 GACAGTTTTACAGCAGTCACAGCCTACCAAGCAACTGATAACCAAGCTGAAAATAGACAGCAATCCG
 TTTGCCAAAGGATTCCGGGACTCCTCCAGGCTCACTGACATTGAGAGGGAGAGTGTGGAGAGCCTGATCC
 AGAAGCATTCTATGCCCGGTACCCATCCGCACCTATGGGGAAGAGGATGTTCTGGGGGAGGAGTCA
 AACAACTCAGAGTCGAGGATCAGCCTTTACAACATCTGACAATTTGTCTCTCAGTTCTGGGTATCGTCA
 TCTTCCAGTTTTCTGGATTTGAGCATCCACAGCCCTGACTGCTCTTGGTACCAGTACAGCATCCATAG
 CGACACCGATTCTCACCTATACAGGGTTCTCTGCCACCATATAGCCGCTGGGAATGCCTCTGACCCC
 ATCTGCAATAGCCAGCTCCATGCAGGGAAGTGGTCCACGTTCCCTTCATTCCACATGCCTAGATACCAT
 CACTACTTCCAGCAGGGGCCCTACGCTGCCATCCAAGGACTTCGCCACTCCTCCGCTGTGATGACGCCAT
 TTGTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG227271 representing NM_194263
 Red=Cloning site Green=Tags(s)

MEFTASPKPQLSSRANAFSIAALMSSGGPKEKEAENTIKPLEQFVEKSSCAQPLGELTSLDAHAIEFGGG
 GGSPSSSSSLCTEPLIPTPIIPSEEMAKIACSLETKEKELWDFHELGTMIITKSGRRMFPTIRVSFSGVD
 PESKYIVLMDIVPDNRYRYAYHRSSWL VAGKADPPLPARLYVHPDSPFTGEQLLKQMVSEKVKLTNN
 ELDQHGHIILNSMHKYQPRVHIKKKDHTASLLNLKSEEFRTFIFPETVFTAVTAYQNQLITKLKIDSNP
 FAKGFRDSSRLTDIERESVESLIQKHSYARSPIRTYGEEDVLGEESQTTQSRGSAFTTSDNLSLSSWVSS
 SSSFPGFQHPQLTALGTSTASIATPIPHPIQGSLLPPYSRLGMPLTPSAIASSMQSGPTFPSPHMPRYH
 HYFQQGPYAAIQGLRHSSAVMTPFV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

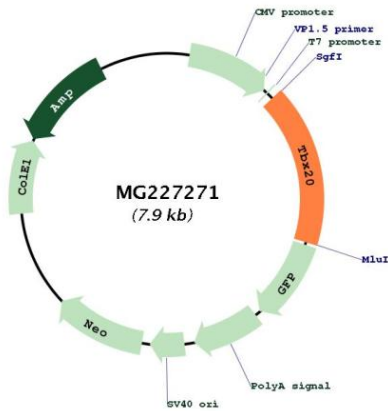

ACCN:	NM_194263
ORF Size:	1335 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_194263.2 , NP_919239.1
RefSeq Size:	4043 bp
RefSeq ORF:	1338 bp
Locus ID:	57246

UniProt ID: Q9ES03

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]

Product images:



Circular map for MG227271