

Product datasheet for **MR227369**

Tbx5 (NM_011537) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx5 (NM_011537) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbx5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR227369 representing NM_011537
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGATACAGATGAGGGCTTTGGCCTGGCGCGCAGCCTCTGGAGCCTGATTCCAAAGACAGGTCTT
 GCGATTCGAAACCTGAGAGTGTCTGGGGCTCCAGCAAGTCTCCATCATCCCCGAGGCTGCCTTCAC
 CCAGCAGGGCATGGAAGGAATCAAGGTGTTTCTCATGAACGTGAACTGTGGCTGAAATTCCACGAAGT
 GGCACAGAGATGATCATCAAGGCAGGGAGGAGAATGTTTCTAGTTACAAAGTGAAGGTGACTGGCC
 TTAATCCCAAACGAAGTATATTCTTCTCATGGATATTGTTCCCGCAGACGACCACAGATATAAATTTGC
 TGATAACAAATGGTCCGTAAGTGGCAAAGCAGAGCCTGCCATGCCGGGGCGCCTTTACGTGCACCCGGAC
 TCCCCAGCAACCGAGGCCACTGGATGCGACAATTGTCTCCTCCAGAAGCTCAAACCTACCAACAACC
 ACCTGGACCCGTTTGGACACATTATCCTGAACCTCATGCACAAAACCAGCCCGATTACACATCGTGAA
 AGCAGACGAAAAAATGGGTTTCGGTTCAAAGAACACTGCGTTTTGCACCCACGTCTTCCCGGAGACAGCT
 TTTATCGCTGTGACTTCGTACCAGAATCACAAGATCACACAGCTGAAAATTGAGAACAACCCCTTCGCCA
 AAGGCTTTTCGGGGCAGTGATGACCTGGAGTTACACAGGATGTCTCGGATGCAAAGTAAAGAGTATCCTGT
 GGTTCACAGGACACAGTGGGCACAAAGTACCTCCAACACAGCCCTTCAGCAGCGAGACCCGAGCT
 CTCTCCACCTCATCCAATTTAGGGTCCCAGTACCAGTGTGAGAATGGTGTCTCTGGCCCTCCAGGACC
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 AGATGAGGAATGTTCCAGCACGGAGCACCCCTATAAGAAGCCGTACATGGAGACATCCCCAGCGAGGAA
 GACACCTTCTATCGCTCGGGCTACCCAGCAGCAGGGCCTGAGTACCTTTACAGGACAGAGTCGGCCC
 AGCGGCAGGCCTGCATGTATGCCAGCTCCGCTCCCCCAGCGAGCCCGTGCCTAGCCTGGAGACATCAG
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 CTTCCCTACCAGCACTTCTCCGCTCATTTCACCTCGGGGCCCTGGTCCCTCGGTTGGCTGGCATGGCCA
 ACCATGGTTCTCCCAGCTCGGCGAAGGGATGTTTCCAGCACCAGACCTCAGTGGCCCATCAGCCTGTGGT
 CAGGCAGTGGGGCCTCAGACTGGCCTTCACTCTCGGGCGGCCTCCAGCCCCAGAGTTTCTCTACACT
 CACGGCGTCCCAGGACCCTGTCCCCCATCAGTACTCGGTACACGGCGTGGCATGGTCCAGAGT
 GGAGTGAGAATAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227369 representing NM_011537
 Red=Cloning site Green=Tags(s)

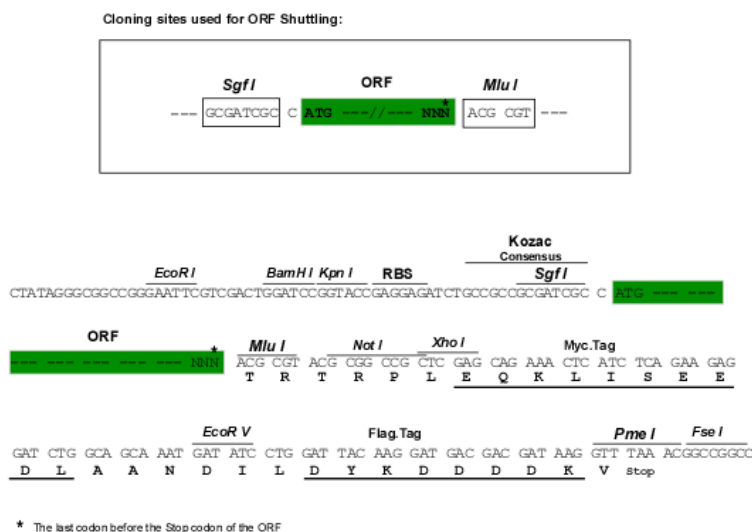
MADTDEGFLARTPLEPDSKDRSCDSKPESALGAPSKSPSSPQAAFTQQGMEGIKVFLLHERELWLKFHEV
 GTEMIITKAGRRMFPSYKVKVTGLNPKTKYILLMDIVPADDHRYKFADNKWSVTGKAEPAMPGRLYVHPD
 SPATGAHWMRQLVSFQKLKLTNNHLDPFGHIILNSMHKYQPRLHIVKADENNGFGSKNTAFCTHVFPETA
 FIAVTSYQNHKITQLKIENNPFAKGFRRGSDLELHRMSRMQSKEYPVVPRSTVRHKVTSNHSFSPSETRA
 LSTSSNLGSYQCENGVSGPSQDLLPPPNPYPLAQEHSQIYHCTKRKDEECSSTEHPYKPKPYMETSPSEE
 DTFYRSGYPQQGLSTSYRTESAQRQACMYASSAPPSEPVPVPSLEDISCNTPWSPMSYSSCTVTTVQPMDR
 LPYQHFSAHFTSGPLVPRLAGMANHGSPQLGEGMFQHQTSVAHQPVVRQCGPQTGLQSPGGLQPPEFLYT
 HGVPRTLSPHQYHSVHGVGMVPEWSENS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_011537

ORF Size: 1554 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_011537.3](#), [NP_035667.1](#)

RefSeq Size: 3941 bp

RefSeq ORF: 1557 bp

Locus ID: 21388

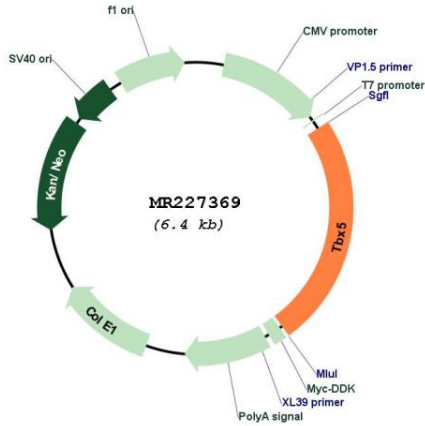
UniProt ID: [P70326](#)

Cytogenetics: 5 60.42 cM

MW: 58.3 kDa

Gene Summary: DNA-binding protein that regulates the transcription of several genes and is involved in heart development and limb pattern formation. Binds to the core DNA motif of NPPA promoter. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227369