

Product datasheet for **MR230120**

Tbx1 (NM_001285472) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx1 (NM_001285472) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbx1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR230120 representing NM_001285472
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACCTCAGCACAGTACCAGGGACATGGAAGCCTTCGCAGCCAGCAGTCTGAGCGGCCCTGGGATCCC
 CGTCGCCTGGCGCGACCCGTTTCGGCCCTCGCGAGCCGCCACCGCGCTACGATCCGTGCGCTGCACT
 CCCCAGTCCCGGGCCCGCCGCGCGCGCTATCCTTTTCGCGCCGCCCGGGGGCGGCTGGCAGC
 TCGGCGCGGAGTCCGAGGGTCCGGGGCTAGCCGCGCGCTGCGGTCAAGGCTCCGGTGAAGAAGAACC
 CGAAGGTGGCCAGCGTGAAGTGCAGCTGGAGATGAAGGCGCTGTGGACGAGTTCAATCAGCTGGGCAC
 CGAGATGATCGTACCAAGGCAGGCAGACGAATGTTCCACGTTCCAAGTGAAGCTTTTGAATGGAT
 CCCATGGCCGACTACATGCTGCTCATGGACTTTGTGCCGTAGATGACAAGCGCTACCGGTATGCTTTCC
 ATAGTCTCTCTGGTGGTGGCCGCAAGGCAGATCCTGTACACCTGGCCGAGTACACTACCACCCGGA
 CTCGCCGCTAAGGGCGCACAGTGGATGAAACAGATTGTGTCTTTCGACAAGCTGAAACTGACCAATAAC
 CTGCTGGATGACAATGGCCATATTATTCTCAACTCCATGCACAGATATCAGCCCCGATTCCATGTTGTCT
 ATGTGGACCTCGAAAAGACAGTGAAGAAATATGCAGAGGAGAAGTTCAAAACCTTTGTGTTTGGAGGAG
 ACGTTCACTGCAGTCACTGCCTACCAGAATCACCGGATCACGCAGCTTAAGATTGCCAGCAACCCCTTC
 GCCAAAGGCTTCCGGGATTGCGACCCGGAGGACTGGCCCCGGAACCACCGCCCGGAGCGCTGCCGCTCG
 TGAGTGCCTTTGCTCGCTCTCGGAATCCCGTGGCTTCCCCACGCAGCCCAATGGCTCAGACAAAGACGC
 TGCAGAAGCCCGCGGAGTTGACCCGTGACTCCGACCCGCAGCGCTCGGCGACGCTACGACCCCGCCG
 CAGCTGCTGGCGCGGTGCTGAGCCCGCACTGCCGGGCTGGCGGCTCGTCCCGTACCCGGCGGAT
 CCGGAGCCGCCACAGTCCCCCGCACCGCATCTGCGCCTGGAGGCGCCGGCGCGTCCGAGCCCGTGCA
 CCACCATCCCTACAAGTACCCGCGCCGCGCTACGACCACTACCTCGGGGCAAGAGCCGCGCCGCGCC
 TACCCGCTGCCAGGCTGCGCGGCCACGCTACCACCCGCACGCGCACCCGCACGCGCACCCGCACCCG
 ACCACCCCGCGGTGAACCCGCGCCGCGCGCTGCTGCCGACGACGCAACGCTGACTCGTCGGC
 GGCCGCGCCCGCGTGCCTACGACTACTGCCCCAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230120 representing NM_001285472
 Red=Cloning site Green=Tags(s)

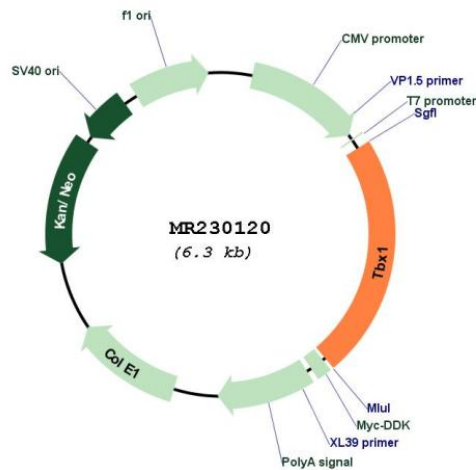
MHFSTVTRDMEFAASSLSGLGSPSPGADPFGPREPPPPRYDPCAAPVPGAPGPPPPRAYPFAPPGAAGS
 SAAESEPGASRAAAVKAPVKNPKVASVSVQLEMKALWDEFNQLGTEMI VTKAGRRMFPTFQVKLFGMD
 PMADYMLLMDFVPVDDKRYRYAFHSSSWLVAGKADPATPGRVHYHPDSPAQGAQWMKQIVSFDKLLTNN
 LLDDNGHIILNSMHRYQPRFHVVYVDPKDKSEKYAEENFKTFVFEETRF TAVTAYQNHRI TQLKIASNPF
 AKGFRDCPEDWPRNHRPGALPLVSAFARSNPVASPTQPNGSDKDAEARREFDRD SGPAALGDATHPP
 QLLARVLSPALPGPGLVPLPGSGGRHSPPHADLRLEAPGASEPLHHHPKYPAAYDHYLGAKSRRPAP
 YPLPGLRGHYHPAHPHAPHHHHPAVNPAAAAAAAAAANVYSSAAAPPAYDYCPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001285472

ORF Size: 1437 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_001285472.1](#), [NP_001272401.1](#)

RefSeq Size: 1858 bp

RefSeq ORF: 1440 bp

Locus ID: 21380

Cytogenetics: 16

MW: 52.1 kDa

Gene Summary: Probable transcriptional regulator involved in developmental processes. Is required for normal development of the pharyngeal arch arteries.[UniProtKB/Swiss-Prot Function]