

## Product datasheet for **MR229439**

### **Tbx1 (NM\_001285476) Mouse Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: Tbx1 (NM\_001285476) Mouse Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Tbx1  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >MR229439 representing NM\_001285476  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTTCCCAAGTCCAAGTGAAGCTTTTGGAAATGGATCCCATGGCCGACTACATGCTGCTCATGGACT  
TTGTGCCCGTAGATGACAAGCGCTACCGGTATGCTTTCCATAGCTCCTCCTGGTGGCCGGCAAGGC  
AGATCCTGCTACACCTGGCCGAGTACACTACCACCCGGACTCGCCGGCTAAGGGCGCACAGTGGATGAAA  
CAGATTGTGCTTTTCGACAAGCTGAAACTGACCAATAACCTGCTGGATGACAATGGCCATATTATTCTCA  
ACTCCATGCACAGATATCAGCCCGATTCCATGTTGTCTATGTGGACCCTCGAAAAGACAGTGAGAAATA  
TGCAGAGGAGAACTTCAAACTTTTGTGTTTGGAGAGACACGCTTCACTGCAGTCACTGCCTACCAGAAT  
CACCGGATCACGCAGCTTAAGATTGCCAGCAACCCCTTCGCCAAAGGCTTCGGGATTGCGACCCGGAGG  
ACTGGCCCCGGAACCCGGCCCGGAGCGCTGCCGCTCGTGAGTGCCTTTGCTCGCTCTCGGAATCCCGT  
GGCTTCCCCACGCAGCCAATGGCTCAGACAAAGACGCTGCAGAAGCCCGCGCGAGTTCGACCGTGAC  
TCCGACCCGACGCGCTCGCGACGCTACGCACCCCGCGAGCTGCTGGCGCGCTGCTGAGCCCCGCAC  
TGCCCGGGCTGGCGGCCTCGTCCGCTACCCGGCGGATCCGGAGGCCGCCACAGTCCCCGCACGCCGA  
TCTGCGCCTGGAGGCGCCGGGCGCGTCCGAGCCGCTGCACCACCATCCCTACAAGTACCCGGCCGCGCC  
TACGACCACTACCTCGGGGCAAGAGCCGGCCGGCCCTACCCGCTGCCAGGCTGCGCGGCCACGGCT  
ACCACCCGCACGCGCACCCGACGCGCACCCGCACCATACCACCACCCCGCGGTGAACCCGGCCGCGCC  
CGCCGCTGCTGCCGACGAGCAACGTGTACTCGTTCGGCGCCGCGCCGCGCGGTGCCTACGACTACTGC  
CCCAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
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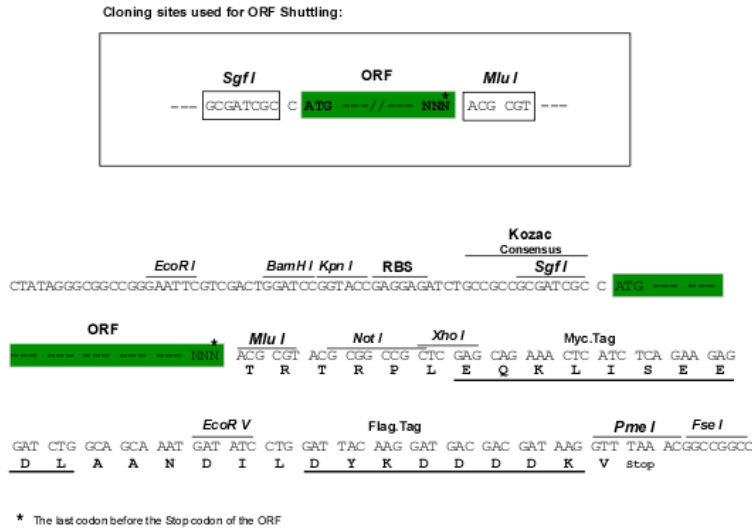
**Protein Sequence:** >MR229439 representing NM\_001285476  
 Red=Cloning site Green=Tags(s)

MFPTFQVKLFGMDPMADYMLLMDFVPVDDKRYRYAFHSSSWLVAGKADPATPGRVHYHPDSPAQGAQWMK  
 QIVSFDKLLKLTNNLLDDNGHIILNSMHRYQPRFHVVYVDPKDKSEKYAEENFKTFVFEETRFTAVTAYQN  
 HRITQLKIASNPFAGKFRDCDPEDWPRNHRPGALPLVSAFARSNPVASPTQPNGSDKDAAEARREFDRD  
 SGPAALGDATHPPQLLARVLSALPGPGGLVPLPGGSGGRHSPPHADLRLEAPGASEPLHHHPYKYPAAA  
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 PR

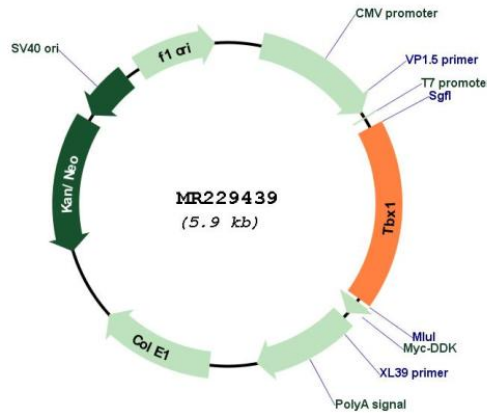
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001285476

<b>ORF Size:</b>	1056 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001285476.1</a> , <a href="#">NP_001272405.1</a>
<b>RefSeq Size:</b>	1782 bp
<b>RefSeq ORF:</b>	1059 bp
<b>Locus ID:</b>	21380
<b>Cytogenetics:</b>	16
<b>MW:</b>	39.2 kDa
<b>Gene Summary:</b>	Probable transcriptional regulator involved in developmental processes. Is required for normal development of the pharyngeal arch arteries.[UniProtKB/Swiss-Prot Function]