

## Product datasheet for MC215722

### Tbx6 (NM\_011538) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx6 (NM_011538) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbx6
Synonyms:	rv
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC215722 representing NM_011538 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTACCATCCACGAGAGTTGTACCCCTCCCTGGGACTGGCTACCGTCTGGGACACCCAGCCTGGGG  
CAGACTCCACCTCCCACCTGCCCTGACAGAGGGTTACCGCTACCCTGATTTGGATACTTCTAACTGGA  
TTGCTTCTCTCTGGGATCGAGGCAGCTCCCCACACTCTGGCTGCAGCCGCTCCTTTGCCCTTCTCCCA  
TCTGCTCTGGGCCCGAGACAGCACCGCCACCCAGAGGCCCTTCACTCGCTTCCCTGGGGTTCAGCCTGA  
GCTTGGAGAACCAGGAAGTGTGGAAGGAATTCAGCGCTGTGGGGACAGAGATGATCATACCAAGGCTGG  
CAGGCGCATGTTCCCTGCTTGCCGAGTATCAGTCACTGGCCTGGACCCAGAGGCCCGCTACTTGTTCCT  
CTGGATGTGGTCCAGTGGATGGGGCCGATACCGCTGGCAGGGCCAGCACTGGGAGCCAAGTGGCAAGG  
CTGAACCCCGCTACCCGACCGTGTCTACATTCACCCTGACTCTCCTGCCACTGGTGGCCACTGGATGCG  
GCAGCCCGTATCCTTCCATCGTGTAAAGCTCACCAACAGCACACTGGACCCCATGGCCACCTGATCTTG  
CACTCGATGCACAAGTACCAGCCTCGCATCCACCTGGTGAGAGCCACCAACTATGCAGCAACACTGGG  
GGGTGTGGCCTCCTTCCGATTTCCCTGAGACCACATTCTCTGTGACAGCCTACCAGAACCTAGGAT  
CACACAGCTGAAGATCGCAGCCAATCCCTTTGCCAAAGGTTTCCGAGAAAATGGCAGAACTGTAAGAGG  
GAGCGGGATGCCCGTGTGAAGAGGAAACTTCGGGGCCAGAGCCAGTGGCCACAGAGGCCTGTGGGAGTG  
GGGATACACCAGGGGTCCCTGTGACTCCACCCTGGGTGGGGACATTCGGGACTCAGATCCAGAGCAGGC  
CCCAACCCCGCAGGAAGCTGCTTCTGCCTCAGCTCCTCCATGTGGGGGCCAGTCTGAGGCTACCTT  
CTACACCCTGCCGCTTTTCATGGCGCCCCAGTCACTACCAGCCAGGACCCCGCTTCCGCTGAGGCTC  
CAGACCCTGGGGCCAGCCCCCTACTCAGCTGCATTTCTGGACCTACAGCCTGGACCAGGGGCTCTGC  
CTATCAGGCAGCTCCATCTGTACCATCCTTTGCCCCACACTTCATCCAAGGGGTCCCTTCCCTTACCG  
TACCCAGGACCTGGAGGTTATCTGGACATGGGATCCAAGCCAATGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_011538
<b>Insert Size:</b>	1311 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_011538.2</a> , <a href="#">NP_035668.2</a>
<b>RefSeq Size:</b>	1731 bp
<b>RefSeq ORF:</b>	1311 bp
<b>Locus ID:</b>	21389
<b>UniProt ID:</b>	<a href="#">P70327</a>
<b>Cytogenetics:</b>	7 69.25 cM
<b>Gene Summary:</b>	T-box transcription factor that plays an essential role in the determination of the fate of axial stem cells: neural vs mesodermal. Acts in part by down-regulating, a specific enhancer (N1) of SOX2, to inhibit neural development. Seems to play also an essential role in left/right axis determination and acts through effects on Notch signaling around the node as well as through an effect on the morphology and motility of the nodal cilia.[UniProtKB/Swiss-Prot Function]