

## Product datasheet for **SC122276**

### **TBX6 (BC026031) Human Untagged Clone**

#### **Product data:**

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | Expression Plasmids                  |
| Product Name:             | TBX6 (BC026031) Human Untagged Clone |
| Tag:                      | Tag Free                             |
| Symbol:                   | TBX6                                 |
| Synonyms:                 | DFNB67; OTTHUMP00000162995; T-box 6  |
| Mammalian Cell Selection: | None                                 |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>     |
| E. coli Selection:        | Ampicillin (100 ug/mL)               |



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**Fully Sequenced ORF:** >OriGene sequence for BC026031 edited  
 AGCTGTCCGACTACCCGGGGCCCTAAGCAGCGAGACCTGAGGCCAGACGGAACACAAAC  
 ATGTACCATCCACGAGAAATTGTACCCGTCCCTGGGGGCCGGCTACCGCTGGGGCCCGCC  
 CAACCTGGGGCCGACTCCAGCTTCCCACCCGCCCTAGCGGAGGGCTACCGCTACCCCGAA  
 CTGGACACCCCTAACTGGATTGCTTCTCCTCCGGGATGGAGGCTGCTCCCCGACCCCTG  
 GCCCGCACCCACCTCTGCCCTTCTGCCCTGCCATGGGACTGAGCCGGCCCCATCA  
 GCTCCAGAGGCCCTCCATTCCCTCCCGGGGTGAGCCTGAGCCTGGAGAACCAGGAGCTA  
 TGGAAGGAGTTACGCTCTGTGGGAACAGAAATGATCATACCAAAGCTGGGAGGCCATG  
 TTCCTGCCTGCCGAGTGTCACTGACTGGCCTGGACCCGAGGCCCGCTACTTGTTCCTT  
 CTGGATGTGATTCGGTGGATGGGGCTCGTACCCTGGCAGGGCCGGCGCTGGGAGCCC  
 AGCGGCAAGGCAGAGCCCGCTGCCTGACCGTGTCTACATTCACCCGACTCTCCTGCC  
 ACTGGTGACATTGGATGCGGCAGCCTGTGTCTTCCATCGTGTCAAGCTACCAACAGC  
 ACGCTGGACCCACGGCCACCTGATCCTGCACTCCATGCACAAGTACCAACCCCGCATA  
 CACCTAGTTCGGGAGCCAGCTCTGCAGCCAGCACTGGGGGGCATGGCCTCCTCCGC  
 TTCCTCCGAGACCATTATCTCCGTGACAGCCTACCAGAACCCACAGATCACACAACCTG  
 AAGATTGCAGCAATCCCTTTGCCAAAGCTTCCGGGAGAACGGCAGAACTGTAAAGAGG  
 GAGCGAGACGCCGTGTGAAGAGGAAACTGCGGGGCCAGAGCCAGCAGCCACAGAGGCC  
 TATGGGAGCGGAGACACACCAGGTGGTCCCTGCGACTCCACCCTGGGTGGAGACATTCGT  
 GAATCAGATCCAGAACAGGCCCCAGCCCCGGGAAGCCACCGCTGCCCGGCACCTCTG  
 TGTGGTGGCCCCAGTGTGAGGCCTACCTCCTGCACCTGCGGCTTTCATGGGGCCCC  
 AGTCACCTTCCCACAGGAGCCAGCTTCCCGGAGGCTCCAGACTCCGGGGCTCAGCC  
 CCTACTCGGCTGCATTTCTGGAGCTGCCGCACGGTCCAGGGGCTCCGGGTACCCAGCG  
 GCTCCACCGCGGTACCTTTGCCCCGCACTTTCTCAAGGGGGCCCCCTCCCTTACCA  
 TACACCGCGCTGGGGCTATCTGGATGTGGGCTCCAAACCCATGTAAGTGAACCACTGCT  
 GGGCCCCCTGCCTCCATCACAACCTCCCGCTCCCTTCCCCAGCCCTGGAGCCCCCTC  
 ACCTCCACCGGCCCATCCCCACACAAATGGCCGCTTGGGCTGCCACCCACCCCC  
 TCAACTTACACCTTGATTTCACTCCACCCCCCTCTGGCTTCAAAGCTAACCAAGGCT  
 GCTGGGAGTCCAGCTGGGGCCGGCTTCCCTTCCCGGCTCTCACCTCCGTGTGAATGGAA  
 GGGGCTCTGCCTGGCCAAATGGGGCCACAGACCAGCATCCCCACTTACCAGGCCTCCCCA  
 TGGGCTCTGGAGGGGCTCAATCCCCACCCCCACACACACTGGTGCAGGCCACACCAGT  
 CTGTTGTTCTGGGACCAGAGATTTTTTTGTAATAAAACTCAAAGCCATCCATGCTCAGG  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for BC026031 unedited  
 CGGGTTTGATTTGTATACGACTCATATAGCGGCCGCGNAATTCGCACGAGNAGCTGTC  
 GGACTACCCGGGGCCCTAAGCAGCGAGACCTGAGGCCAGACGGAACACAAATGTACC  
 ATCCACGAGAATTGTACCCGTCCCTGGGGCCGGCTACCGCTGGGGCCCGCCAACTG  
 GGGCCGACTCCAGCTTCCACCCGCCCTAGCGGAGGGCTACCGCTACCCGAACTGGACA  
 CCCCTAAACTGGATTGCTTCTCCTCCTCCGGGATGGAGGCTGCTCCCGCACCTGGCCGCG  
 ACCCACCTCTGCCCTTCTGCCCTGCCATGGGACTGAGCCGGCCCCATCAGTCCAG  
 AGGCCCTCCATTCCTCCCGGGGTGAGCCTGAGCCTGGAGAACCAGGAGCTATGGAAGG  
 AGTTCAGCTCTGTGGAACAGAAATGATCATACCAAAGCTGGGAGGCGCATGTTCCCTG  
 CCTGCCGAGTGTGAGTACTGGCCTGGACCCGAGGCCCGCTACTTGTTCCTTCTGGATG  
 TGATTCGGTGGATGGGGCTCGTACCCTGGCAGGGCCGGCGCTGGGAGCCAGCGGCA  
 AGGCAGAGCCCCGCTGCTGACCGTGTCTACATTCACCCGACTCTCCTGCCACTGGTG  
 CACATTGGATGCGGCAGCCTGTGTCTTCCATCGTGTCAAGCTACCAACAGCAGCCTGG  
 ACCCCACGGCCACCTGATCCTGCACTCCATGCACAAGTACCAACCCCGCATAACCTAG  
 TTCGGGAGCCAGCTCTGCAGCCAGCACTGGGGGGCATGGCCTCCTCCGCTTCCCCG  
 AGACACATTATCTCCGTGACAGCCTACCAGAACCACAGATCACACACTGAAGATGCAGC  
 CAATCCCTTGCCCA

**Restriction Sites:** Please inquire

|                               |   |
|-------------------------------|---|
| <b>ACCN:</b>                  | BC026031  |
| <b>Insert Size:</b>           | 1830 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="#">BC026031.1</a> , <a href="#">AAH26031.1</a>   |
| <b>RefSeq Size:</b>           | 1830 bp   |
| <b>Locus ID:</b>              | 6911  |
| <b>Cytogenetics:</b>          | 16p11.2   |
| <b>Protein Families:</b>      | Transcription Factors   |
| <b>Gene Summary:</b>          | This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. Knockout studies in mice indicate that this gene is important for specification of paraxial mesoderm structures. [provided by RefSeq, Aug 2008]  |