

## Product datasheet for **SC122855**

### **TBX22 (NM\_016954) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TBX22 (NM_016954) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBX22
Synonyms:	ABERS; CLPA; CPX; dj795G23.1; TBXX
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:**

>OriGene sequence for NM\_016954 edited  
 CAAAGAATCCCTTCACCCCTCCAGGGATGGCTCTGAGCTCTCGGGCGCGTGCCTTCTCC  
 GTGGAAGCCTTGGTGGGGAGACCCAGCAAAAGAAAACCTCAAGACCCAATACAGGCGGAG  
 CAGCCTGAGCTGCGGGAGAAAAAGGGCGGAGAGGAAGAGGAGAGAAGGAGCAGCGCT  
 GCAGGGAAGAGCGAGCCGCTTAAAAACAACCTAAGACAGAGCCCTCAACATCTGCTTCC  
 TCTGGCTGCGGCAGCGACAGCGGCTACGGCAACAGCTCTGAAAGTCTGGAAGAGAAAGAT  
 ATTCAAATGGAGCTTCAAGGATCTGAACGTGGAAAAGATTCCATGACATCGGGACTGAG  
 ATGATCATTACTAAAGCGGGCAGGCGGATGTTCCCTCTGTTCCGGTCAAGGTGAAAGGG  
 TTGGATCCAGGGAAGCAGTACCATGTGGCCATCGATGTGGTGCCGGTGGATTCCAACGC  
 TATAGGTACGTCTATCACAGCTCACAGTGGATGGTAGCTGGGAATACAGACCATTGTGC  
 ATCATTCTAGATTCTATGTTCCACCGGACTCACCTGCTCGGGAGAGACCTGGATGCGG  
 CAGATCATCAGCTTTGATCGCATGAACTACCAACAATGAGATGGATGACAAAGGCCAC  
 ATCATTCTGCAATCCATGCATAAGTACAAACCCGAGTGCACGTGATAGAGCAAGGCAGC  
 AGTGTGACCTGTCCCAGATTCACTCTTGCCCACTGAAGGTGTTAAACATTCTCCTTT  
 AAAGAACTGAGTTCACCACAGTAAACGGCTTACCAAAACCAACAGATTACGAACTAAAA  
 ATAGAAAGAAATCCTTTTGCTAAAGGATTAGAGATACTGGAAGAAACAGGGGTGATTG  
 GATGGGCTTTTAGAGACCTACCCATGGAGGCTTCTTTCACTCTCGATTTAAAACTTTT  
 GGCGCAGACACACAAAGTGAAGCAGTGGCTCATCTCCAGTGACCTCTAGTGGAGGGCC  
 CCCTCTCCTTTGAACTCCTTACTTTCTCCACTTTGCTTTTACCTATGTTTCATTACCT  
 ACAAGCTCCCTTGAAGTGCCTGTCCAGAGGCATACCTGCCCAATGTCAACCTGCCTCTA  
 TGCTACAAGATTTGTCCAATAATTTTGGCAACAGCAACCTCTGTTTTACCGGCTCCT  
 GAAAGACTAGCAAGCAGCAACAGTCTCAGTCTTAGCCCCACTCATGATGGAAGTGCCT  
 ATGTTATCTTCCCTGGGGTACCAATTCAAAAAGCGGTTCACTGGAAGACTCCAGTGAT  
 CAGTATCTACAAGCACCTAATTCTACCAATCAAATGTTATATGGATTACAGTCACCTGGA  
 AATATTTTTCTGCCAACTCCATCACCCAGAAGCACTTAGTTGCTCCTTTCATCCTTCC  
 TATGACTTTTATAGATACAATTTCTCTATGCCATCTAGACTGATAAGTGGTTCCAACCAT  
 CTTAAAGTGAATGACGACAGTCAAGTTTCTTTGGAGAAGGCAAATGTAATCATGTTTAT  
 TGGTATCCAGCAATTAACCATTACCTTTAGTAAGACAATAGCATTCTAGAACAATTACA  
 TGTAACAATAATTTCTTTATTTGTAGCCAAAGAAATTTCAACAGTTATTGGGCTTAAA  
 AAGCATCATTACAATACAGTATTTCTTTGTTATACATTTAAAGATTTAAAGTGCCTTATC  
 AAATAATATTCATGAAGAGTTGTTTATAATGTCAAATGAAACCTACAGGAATCTCTGATT  
 ACAGTGGCCTTGAGCTTCAAAATGAGATATGCAATAAATATTATTTGATGATACTCCACC  
 AGTGAATTTGATGCTAAGTGTGGGATTTTCAATTATACTGAAGCTAGTTCACCACGTT  
 AACTGCATTTTACACATTGACAATGACAAAAAGAGATGGATGTAATTCTCATGAAAGCA  
 GTGAAGCAATTTCAAGTTTAAAAATGAAGATCGGCTTTCATGTAATTATCTAGTAGTTGT  
 AGAAGAAAATTTAATTATTTGTTGCCTCATGCCTTTATACTTTGCTGTTGAAGAAACTA  
 CTAATCTCAATTAAGATACAAATAAGGACACAACTTTCAAGTATTATTTTTATTTAT  
 CTTTGTAGCCTAAAGACCATTTAATCTTGAAGGAACACAAAGATCAAATGAAAAGTAAAA  
 CACTCTAAATAAAAAAAAAAAAAAAAAAAAA

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_016954 unedited CTTCACTATAGGGNCCGGCCGCTAACTCGGCACGAGGCAAAGAATCCCTTCACCCCTC CAGGATGGCTCTGAGCTCTCGGGCGCGTGCCTTCTCCGTGGAAGCCTTGGTGGGGAGACC CAGCAAAAGAAAACCTCCAAGACCAATACAGGCGGAGCAGCCTGAGCTGCGGGAGAAAAA GGCGGAGAGGAAGAGGAGGAGAGAAGGAGCAGCGCTGCAGGGAAGAGCGAGCCGTTGAA AAACAACCTAAGACAGAGCCCTCAACATCTGCTTCCTCTGGCTGCGGCAGCGACAGCGGC TACGGCAACAGCTCTGAAAGTCTGGAAGAGAAAAGATATTCAAATGGAGCTTCAAGGATCT GAACTGTGGAAGATTCCATGACATCGGGACTGAGATGATCATTACTAAAGCGGGCAGG CGGATGTTCCCTCTGTTTCGGGTCAAGGTGAAAGGTTGGATCCAGGGAAGCAGTACCAT GTGGCCATCGATGTGGTGCCGGTGGATTCCAAACGCTATAGGTACGTCTATCACAGCTCA CAGTGGATGGTAGCTGGGAATACAGACATTTGTGCATCATTCTAGATTCTATGTTTAC CCGGACTCACCTGCTCGGGAGAGACCTGGATGCGGCAGATCATCAGCTTTGATCGCATG AAACCTACCAACAATGAGATGGATGACAAAGGCCACATCATTCTGCAATCCATGCATAAG TACAAACCCCGAGTGCACGTGATAGAGCAAGGCAGCAGTGTGACCTGTCCANATCAGT CCTTGCCCACTGAAGGTGTTAAACATTCTCTTTAAAGAAAAGTTCAGTTACCCACAGTAA CGGCTTACCAAAACCAACCGATTACGAAACCTAAAATAGGAAGC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_016954
<b>Insert Size:</b>	2258 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_016954.2</a> , <a href="#">NP_058650.1</a>
<b>RefSeq Size:</b>	2248 bp
<b>RefSeq ORF:</b>	1563 bp
<b>Locus ID:</b>	50945
<b>UniProt ID:</b>	<a href="#">Q9Y458</a>
<b>Cytogenetics:</b>	Xq21.1
<b>Protein Families:</b>	Transcription Factors

**Gene Summary:**

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. Mutations in this gene have been associated with the inherited X-linked disorder, Cleft palate with ankyloglossia, and it is believed to play a major role in human palatogenesis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (1).