

Product datasheet for **SC317112**

TBX22 (NM_001109878) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBX22 (NM_001109878) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBX22
Synonyms:	ABERS; CLPA; CPX; dJ795G23.1; TBXX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC317112 representing NM_001109878.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTCTGAGCTCTCGGGCGCGTGCCTTCTCCGTGGAAGCCTTGGTGGGAGACCCAGCAAAAGAAAA
CTCCAAGACCCAATACAGGCGGAGCAGCCTGAGCTGCGGGAGAAAAAGGCGGAGAGGAAGAGGAGGAG
AGAAGGAGCAGCGCTGCAGGGAAGAGCGAGCCGCTTGAAAAACAACCTAAGACAGAGCCCTCAACATCT
GCTTCCTCTGGCTGCGGCAGCGACAGCGCTACGGCAACAGCTCTGAAAGTCTGGAAGAGAAAGATATT
CAAATGGAGCTTCAAGGATCTGAACTGTGGAAGATTCCATGACATCGGGAAGTATGATGATCATTACT
AAAGCGGGCAGGCGGATGTTCCCTCTGTTGCGGTCAAGGTGAAAGGTTGGATCCAGGGAAGCAGTAC
CATGTGGCCATCGATGTGGTGCCGGTGGATTCCAAACGCTATAGGTACGTCTATCACAGCTCACAGTGG
ATGGTAGCTGGGAATACAGACCATTTGTGCATCATTCTAGATTCTATGTTACCCGGACTACCCTGC
TCGGGAGAGACCTGGATGCGGCAGATCATCAGCTTTGATCGCATGAAACTCACCAACAATGAGATGGAT
GACAAAGGCCACATCATTCTGCAATCCATGCATAAGTACAAACCCGAGTGCACGTGATAGAGCAAGGC
AGCAGTGTGACCTGTCCAGATTAGTCTTGCCTGCAAGGTGTTAAACATTCTCCTTTAAAGAA
ACTGAGTTCACCACAGTAACGGCTTACCAAAACCAACAGATTACGAAACTAAAAATAGAAAGAAATCCT
TTTGCTAAAGGATTTAGAGATACTGGAAGAAACAGGGGTGATTGGATGGGCTTTTAGAGACCTACCCA
TGGAGGCTTCTTTCACTCTCGATTTTAAACCTTTGGCGCAGACACAAAGTGAAGCAGTGGCTCA
TCTCCAGTGACCTCTAGTGGAGGGGCCCCCTCTCCTTTGAACTCCTTACTTTCTCCACTTTGCTTTTCA
CCTATGTTTCAATTACCTACAAGCTCCCTTGAATGCCCTGTCCAGAGGCATACCTGCCCAATGTCAAC
CTGCCTCTATGCTACAAGATTTGTTCAACTAATTTTGGCAACAGCAACCTCTTGTTTACCGGCTCCT
GAAAGACTAGCAAGCAGCAACAGTTCTCAGTCTTAGCCCCACTCATGATGGAAGTGCCTATGTTATCT
TCCTTGGGGTCAACCAATTCAAAAAGCGGTTCTATCTGAAGACTCCAGTGATCAGTATCTACAAGCACCT
AATTCTACCAATCAATGTTATATGGAATTACAGTCACTGGAAATATTTTCTGCCAACTCCATCACC
CCAGAAGCACTTAGTTGCTCCTTTCATCCTTCTATGACTTTTATAGATACAATTTCTCTATGCCATCT
AGACTGATAAGTGGTTCCAACCATCTTAAAGTGAATGACGACAGTCAAGTTTCTTTGGAGAAGGCAAA
TGTAATCATGTTTATTGGTATCCAGCAATTAACCATTACCTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

ACCN: NM_001109878

Insert Size: 1563 bp

OTI Disclaimer: 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001109878.1</u>
RefSeq Size:	2355 bp
RefSeq ORF:	1563 bp
Locus ID:	50945
UniProt ID:	<u>Q9Y458</u>
Cytogenetics:	Xq21.1
Protein Families:	Transcription Factors
MW:	57.9 kDa
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 (1) represents the longest transcript and encodes the longer isoform (1). Both variants 1 and 2 encode the same isoform.