

## Product datasheet for **SC216067**

### **TBX5 (NM\_181486) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	TBX5 (NM_181486) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TBX5
Synonyms:	HOS
ACCN:	NM_181486
Insert Size:	1651 bp



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**Insert Sequence:** >SC216067 3'UTR clone of NM\_181486  
 The sequence shown below is from the reference sequence of NM\_181486. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGGTGCCAGAGTGGAGCGACAATAGCTAAAGTGAGGCCTGCTTACAACAGACATTTCTAGAGAAAG
AGAGAGAGAGAGGAGAAAAGAGAGAGAAGGAGAGAGACAGTAGCCAAGAGAACCCACGGACAAGATTTT
TCATTTACCCCAATGTTACATCTGCACTCAAGGTCGCTGGATGCTGATCTAATCAGTAGCTTCAAACC
ACAATTTTAAAAATGTGACTTTCTGTTTTGTCTCAAACTTAAAAAACAAACACAAAAAGATGAGTC
CCACCCCCACTACCACCACCCCATCAACCAGCCACATTCACGCTACTCCCAGATCTCTTCCCCCAT
TCCTTCTTTGGGCTCTAGAAAGTCTTGCCTCATTGAGTGTTCCTAGTGCGTAGTTGGAGTCTGT
CCCTGCTTGGTGTAAATGTTGACATTGTTATATAATAAATGATAATATATTTTTCTTTCAATTTTC
TTAATGGGACCCAGTCCCTTATTTGGGGGAGGCTGAGGCAAGTATATTTCAAATATGTACTTGCGG
GATTCCTTCAAGTAAACCATCCCTGAAACCTAAATTCACGTTTCCCCTTGACTAAGAAAAGCACCTAC
CTCTGCCATGTGATGTTTCTGAAAAGCCTCTGTATGTCCCATTTGCTTTGGTTTTGTCCTGCCTCTC
CAATATCACGTGCTCAGTTTTGCCTCTACTTACCCATGGAGTCAGGATAACACTGACGCTCCCTGGCAT
CCTATCTTATTACGCCCTACCATCTTGCCAGCTCTGTCTTTCCAGCTGTCTGTGCGTAAAACGTGGCCT
ATAGCTTCCCTTCCGAAAAGCTTGTCTTGA AAACTTAAAAAGCCCCGTTTACATGTAGGCAGGACTG
TGATAACAGTGAAGCTCTGTGTTGACAAGAGTGTGGACAAAAGCCAAAATAAATATTTCTCTGAT
TAAAAAATTTTTTTGAAAAAACAAGGCCAGCCCCAACCTTCCAAACCTCCATCACCACAACCCAA
ACTGGATGTCAAGCAAAATGCACAATTCCTACAGAAGAGGCAAGACACAGTCACCAATGATATCTCGCC
AAAGAAAACACGCCACACCAATGCCAACACAAAACCTGTGTTTACTGAAAAGCCGAAAACAGTATTA AAA
AAAGTGTGTAAGTAAAGTGTATGGTAGGGTCTTCAGATGTAATATTTTACTGGTACTATTTATTTAT
AAATAGGAATTCTAATTAAGTAATAACATGAAATGAAACCCAGCATAGGAGCTGGCCAAGAGCTTTTAA
TTTTATTGATACTCAAACCAAGTTTGTGTTTTTTTTGTTTTTTTTTCTCTTTTGAATGAGTGTG
CTTTGCTTTTTTTGATTA AAAAGAATTTTTTTTTCTTTTTTATAAACAGACCTAATAAAGAGAACA
GGGTAAGATGTGAGGCTGAGTGTGTTAAGTACGTGAGAGAGTGTGAGTGTGTTGTAAGTGAAGTGTCC
CTATGCGATTATGTCTTTACGTTGCTAAGGGGGAGGGTGAGGATTAAGTACTCGTGCCTTATATTT
GTGTGCCAATTAATGCCTAATAAATACCATGTGCTTAAACAAGTACAAGGAAGTTGAACACCCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_181486.4](#)

**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. This gene is closely linked to related family member T-box 3 (ulnar mammary syndrome) on human chromosome 12. The encoded protein may play a role in heart development and specification of limb identity. Mutations in this gene have been associated with Holt-Oram syndrome, a developmental disorder affecting the heart and upper limbs. Several transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

**Locus ID:**

6910

**MW:**

62.9