

## Product datasheet for **SC216066**

### **TBX5 (NM\_080717) Human 3' UTR Clone**

#### **Product data:**

|               |                                     |
|---------------|-------------------------------------|
| Product Type: | 3' UTR Clones                       |
| Product Name: | TBX5 (NM_080717) Human 3' UTR Clone |
| Vector:       | pMirTarget (PS100062)               |
| Symbol:       | TBX5                                |
| Synonyms:     | HOS                                 |
| ACCN:         | NM_080717                           |
| Insert Size:  | 1651 bp                             |



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**Insert Sequence:** >SC216066 3'UTR clone of NM\_080717  
The sequence shown below is from the reference sequence of NM\_080717. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGGTGCCAGAGTGGAGCGACAATAGCTAAAGTGAGGCCTGCTTACAACAGACATTTCTAGAGAAAG
AGAGAGAGAGAGGAGAAAAGAGAGAGAAGGAGAGAGACAGTAGCCAAGAGAACCCACGGACAAGATTTT
TCATTTACCCCAATGTTACATCTGCACTCAAGGTCGCTGGATGCTGATCTAATCAGTAGCTTGAACC
ACAATTTTAAAAATGTGACTTTCTGTTTTGTCTCAAACTTAAAAAACAAACACAAAAAGATGAGTC
CCACCCCCACTACCACCACCCCATCAACCAGCCACATTCACGCTACTCCCAGATCTCTTCCCCCAT
TCCTTCTTTGGGCTCTAGAAAGTCTTGCCTCATTGAGTGTTCCTAGTGCGTAGTTGGAGTCTGT
CCCTGCTTGGTGTAAATGTTGACATTGTTATATAATAAATGATAATATATTTTTTCTTTCAATTTTC
TTAATGGGACCCAGTCCCTTATTTGGGGGAGGCTGAGGCAAGTATATTTCAAAATATGTAAGTGGCGG
GATTCCTTCAAGTAAACCATCCCTGAAACCTAAATTCACGTTTCCCCTTGACTAAGAAAAGCACCTAC
CTCTGCCATGTGATGTTTCTGAAAAGCCTCTGTATGTCCCATTTGCTTTGGTTTTGTCCTGCCTCTC
CAATATCACGTGCTCAGTTTTGCCTCTACTTACCCATGGAGTCAGGATAACACTGACGCTCCCTGGCAT
CCTATCTTATTCAGCCCTACCATCTTGCCAGCTCTGTCTTTCCAGCTGTCTGTGCGTAAAACGTGGCCT
ATAGCTTCCCTTCCGAAAAGCTTGTCTTGAAGAACTTAAAAAGCCCCGTTTACATGTAGGCAGGACTG
TGATAACAGTGAAGCTCTGTGTTGACAAGAGTGTGGACAAAAGCCAAAATAAATATTTCTCTGAT
TAAAAAATTTTTTTTGAAGAAACAAGGCCAGCCCAACCTTCCAAACCTCCATCACCAACAACCCAA
AAAGAAAACACGCCCACACCAATGCCAACACAAAACCTGTGTTTACTGAAAAGCCGAAAACAGTATTA
AAAGTGTGTAAGTAAAGTGTATGGTAGGGTCTTTCAGATGTAATATTTTACTGGTACTATTTATTTAT
AAATAGGAATTCTAATTAAGTAATAACATGAAATGAAACCCAGCATAGGAGCTGGCCAAGAGCTTTTAA
TTTTATTGATACTCAAACCAAGTTTGTGTTTTTTTTTTTTTTTTTTTTTCTTTTATAAACAGACCTAATAAAGAGAACA
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\\_080717.4](#)

**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