

Product datasheet for **SC124969**

TBX5 (NM_181486) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBX5 (NM_181486) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBX5
Synonyms:	HOS
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_181486, the custom clone sequence may differ by one or more nucleotides

```
ATGGCCGACGCAGACGAGGGCTTTGGCCTGGCGCACACGCCTCTGGAGCCTGACGCAAAGACCTGCCCT
GCGATTCGAAACCCGAGAGCGCGCTCGGGGCCCCAGCAAGTCCCGTCGTCGCCGACGGCCGCTTCAC
CCAGCAGGGCATGGAGGGAATCAAAGTGTTCATGAAAGAGAACTGTGGCTAAAATCCACGAAGT
GGCAGGAAATGATCATAACCAAGGCTGGAAGGGGATGTTCCAGTTACAAAGTGAAGGTGACGGGCC
TTAATCCCAAAACGAAGTACATTCTTCTCATGGACATTGTACCTGCCGACGATCACAGATACAAATTCGC
AGATAATAAATGGTCTGTGACGGGCAAAGCTGAGCCCGCCATGCCTGGCCGCCTGTACGTGCACCCAGAC
TCCCCCGCCACCGGGGCGCATTGGATGAGGCAGCTCGTCTCCTCCAGAACTCAAGCTCACCAACAACC
ACCTGGACCCATTTGGGCATATTATTCTAAATTCATGCACAAATACCAGCCTAGATTACACATCGTGAA
AGCGGATGAAAATAATGGATTTGGCTCAAAAAATACAGCGTTCTGCACTCACGTCTTTCCTGAGACTGCG
TTTATAGCAGTGACTTCTACCAGAACCACAAGATCACGCAATTAAGATTGAGAATAATCCCTTTGCCA
AAGGATTCGGGGCAGTGATGACATGGAGCTGCACAGAATGTCAAGAATGCAAAGTAAAGAATATCCCGT
GGTCCCAGGAGCACCCTGAGGCAAAAAGTGGCCTCCAACCACAGTCTTTCAGCAGCGAGTCTCGAGCT
CTCTCCACCTCATCCAATTTGGGTCCCAATACCAGTGTGAGAATGGTGTTCGGGCCCTCCAGGACC
TCCTGCCTCCACCAACCATAACCACTGCCCCAGGAGCATAGCCAAATTTACCATTGTACCAAGAGGAA
AGAGGAAGAATGTTCCACCACAGACCATCCCTATAAGAAGCCCTACATGGAGACATACCCAGTGAAGAA
GATTCCTTCTACCGCTCTAGCTATCCACAGCAGAGGGCCTGGGTGCCTCCTACAGGACAGAGTCGGCAC
AGCGGCAAGCTTGCATGTATGCCAGCTCTGCGCCCCCAGCGAGCCTGTGCCAGCCTAGAGGACATCAG
CTGCAACACGTGGCCAAGCATGCCTTCTACAGCAGCTGCACCGTACCACCGTGCAGCCATGGACAGG
CTACCCTACCAGCACTTCTCGCTCACTCACCTCGGGGCCCTGGTCCCTCGGTGGCTGGCATGGCCA
ACCATGGCTCCCACAGCTGGGAGAGGGAATGTTCCAGCACCAGACCTCCGTGGCCACCAGCCTGTGGT
CAGGCAGTGTGGCCTCAGACTGGCCTGCAGTCCCTGGCACCCCTCAGCCCCCTGAGTCTCTACTCT
CATGGCGTGCCAAGGACTCTATCCCTCATCAGTACCCTCTGTGCACGGAGTTGCCATGGTGCCAGAGT
GGAGCGACAATAGCTAA
```



[View online >](#)

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. 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]

Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1 and 4 both encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.