OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC116413

TBX3 (NM_005996) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBX3 (NM_005996) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBX3
Synonyms:	TBX3-ISO; UMS; XHL
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005996, the custom clone sequence may differ by one or more nucleotides

ATGAGCCTCTCCATGAGAGATCCGGTCATTCCTGGGACAAGCATGGCCTACCATCCGTTCCTACCTCACC
GGGCGCCGGACTTCGCCATGAGCGCGGTGCTGGGTCACCAGCCGCCGTTCTTCCCCGCGCTGACGCTGCC
TCCCAACGGCGCGGCGGCGCTCTCGCTGCCGGGCGCCCTGGCCAAGCCGATCATGGATCAATTGGTGGGG
GCGGCCGAGACCGGCATCCCGTTCTCCTCCCTGGGGCCCCAGGCGCATCTGAGGCCTTTGAAGACCATGG
AGCCCGAAGAAGAGGTGGAGGACGACCCCAAGGTGCACCTGGAGGCTAAAGAACTTTGGGATCAGTTTCA
CAAGCGGGGCACCGAGATGGTCATTACCAAGTCGGGAAGGCGAATGTTTCCTCCATTTAAAGTGAGATGT
TCTGGGCTGGATAAAAAAGCCAAATACATTTTATTGATGGACATTATAGCTGCTGATGACTGTCGTTATA
AATTTCACAATTCTCGGTGGATGGTGGCTGGTAAGGCCGACCCCGAAATGCCAAAGAGGATGTACATTCA
CCCGGACAGCCCCGCTACTGGGGAACAGTGGATGTCCAAAGTCGTCACTTTCCACAAACTGAAACTCACC
AACAACATTTCAGACAAACATGGATTTACTATATTGAACTCCATGCACAAATACCAGCCCCGGTTCCACA
TTGTAAGAGCCAATGACATCTTGAAACTCCCTTATAGTACATTTCGGACATACTTGTTCCCCGAAACTGA
ATTCATCGCTGTGACTGCATACCAGAATGATAAGATAACCCAGTTAAAAATAGACAACAACCCTTTTGCA
AAAGGTTTCCGGGACACTGGAAATGGCCGAAGAGAAAAAAGAAAACAGCTCACCCTGCAGTCCATGAGGG
TGTTTGATGAAAGACACAAAAAGGAGAATGGGACCTCTGATGAGTCCTCCAGTGAACAAGCAGCTTTCAA
CTGCTTCGCCCAGGCTTCTTCTCCAGCCGCCTCCACTGTAGGGACATCGAACCTCAAAGATTTATGTCCC
AGCGAGGGTGAGAGCGACGCCGAGGCCGAGAGCAAAGAGGAGCATGGCCCCGAGGCCTGCGACGCGGCCA
AGATCTCCACCACCACGTCGGAGGAGCCCTGCCGTGACAAGGGCAGCCCCGCGGTCAAGGCTCACCTTTT
CGCTGCTGAGCGGCCCCGGGACAGCGGGCGGCTGGACAAAGCGTCGCCCGACTCACGCCATAGCCCCGCC
ACCATCTCGTCCAGCACTCGCGGCCTGGGCGCGGAGGAGCGCAGGAGCCCGGTTCGCGAGGGCACAGCGC
CGGCCAAGGTGGAAGAGGCGCGCGCGCTCCCGGGCAAGGAGGCCTTCGCGCCGCTCACGGTGCAGACGG

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005996 unedited
NGGTTCAGGTTTTGTATCCGATTTACTATAGGCGGCACGCCAATTCGCACGGNAAGACAC
TTCCCCTCCTCCCTTTGAAGTGCATTAGTTGTGATTTCTGCCTCCTTTTCTTTTTTCTTT
CTTTTTTGTTTTGCTTTTTCCCCCCTTTTGAATTATGTGCTGCTGTTAAACAACAACAAA
AAAACAACAAAACACAGCAGCTGCGGACTTGTCCCCTGTTGGAGCCCAGCGCCCCGCCTG
GAGTGGATGAGCCTCTCCATGAGAGATCCGGTCATTCCTGGGACAAGCATGGCCTACCAT
CCGTTCCTACCTCACCGGGCGCCGGACTTCGCCATGAGCGCGGTGCTGGGTCACCAGCCG
CCGTTCTTCCCCGCGCTGACGCTGCCTCCCAACGGCGCGGCGGCGCTCTCGCTGCCGGGC
GCCCTGGCCAAGCCGATCATGGATCAATTGGTGGGGGCGGCCGAGACCGGCATCCCGTTC
TCCTCCCTGGGGCCCCAGGCGCATCTGAGGCCTTTGAAGACCATGGAGCCCGAAGAAGAG
GTGGAGGACGACCCCAAGGTGCACCTGGAGGCTAAAGAACTTTGGGATCAGTTTCACAAG
CGGGGCACCGAGATGGTCATTACCAAGTCGGGAAGGCGAATGTTTCCTCCATTTAAAGTG
AGATGTTCTGGGCTGGATAAAAAAGCCAAATACATTTTATTGATGGACATTATAGCTGCT
GATGACTGTCGTTATAAATTTCACAAATTCTCGTGGATGGTGGCTGGTAAGGCCGACCCC
GAATGCCAAAGAGATGTACATTCACCCGACAGCCCCGCTACTGGGGAACAGTGGATGTCC
AAAGTCGTCACTTTCCACAAACTGAAACTCACCCACACATTTCAGACCAACATGGATTTA
CTTTTGGCTTTCCCAGTGATCN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005996 unedited
GTTAAATTCCTTTTTTTTTTGTTGGTGTTTCCACTTGGCACAGTGAAGGAAAAATTATAT
ATAAATCCGCACTGAGGGAGATGTCTTTGAACACCTCCCCGCCTGGTGGGCAGAGACCCA
GACCAGCCTTGCTGGAAGTTGCTCTGGACATAAATGTTGGAACTCCTACCCCCAGTAGCT
CAATGCAACCGACGTTTCTGAGCCCCCAGAATCTGATCCAGATCCCGGACATATAAACCA
CGCCAAGAAGACAGGGGCTGTCTCTAGCACATTCTCTCGAGGGAGTCCGGGGCCCCTTCC
CAGACGCAACTGCAAAAGGAAGGGCTAACGCCATGGCGGGCCCGTGGTTTATTTTATATC
CGACAAAGTGCACGGCAGCCTGAACTGGACTGGAATGAAAAGACGTGTCTGGGACGGGTC
TACGGGGACGCGCTGCGGGACCTGTCCGGCTTGGCTTCCAAGCCGCTAACCAACCGCTGG
ATGCTCTGCAGTTCGCTGGTGGCCGCCTCTTTCTCCGCGCAGAGTTTGGGCGACAAGGAC
ATGGAGCTGGAGGATAGCGTGGAGGATCGGCTGTTGAGTTCATAGCCCGAGTCCACTGCC
ACCGATGCCGGGCTGGCGGCCAGGGCGGCGACTTTGCCGTCCAGGGGCCCCGCGGCCGCC
GCCATGGATGGCATGTCGGTGGTGAGCATACTGCTGCCGTCCGGGACCGGCACCGGGATG
GNAGTAGGGCTGTAGCGCANCCGCGGGCGCTGGTGTTCANATTGAGAAGGNGTGGGCGTG
CACCGAGCTGGAGCTGNCGCANAGGAGGCGGCCGCCCTGCGCCATGTACGT

Restriction Sites: NotI-NotI

ACCN: NM_005996

Insert Size: 2700 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

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:	NM_005996.3, NP_005987.3
RefSeq Size:	4754 bp
RefSeq ORF:	2172 bp
Locus ID:	6926
UniProt ID:	O15119
Cytogenetics:	12q24.21
Domains:	T-box
Protein Families:	Druggable Genome, 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. This protein is a transcriptional repressor and is thought to play a role in the anterior/posterior axis of the tetrapod forelimb. Mutations in this gene cause ulnar-mammary syndrome, affecting limb, apocrine gland, tooth, hair, and genital development. Alternative splicing of this gene results in three transcript variants encoding different isoforms; however, the full length nature of one variant has not been determined. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) encodes the shorter isoform (1) of this protein.