

Product datasheet for **SC315811**

TBX18 (NM_001080508) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBX18 (NM_001080508) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBX18
Synonyms:	CAKUT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC315811 representing NM_001080508.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCGAGAAGCGAAGGGGCTCGCCGTGCAGCATGCTAAGCCTCAAGGCGCACGCTTCTCGTGAGG
GCGCTGATCGGCCCGGAGAAGCAGCAACAGCTTCAGAAGAAGCGGCGAAAAGTGGCGCCGAAGAGGCG
CGGGGGCCGTGGACGACGGAGGCTGCAGCCGCGGCGGCGGGCGAAAAGGTTCTTCTGAGGGA
GACGAAGGCGCTGCGCTCCCGCCCGGCTGGGGCGACGCTGGGCGGCTCGGAGTGGCGCAGACCTG
GAGCGCGGAGCCGCGGCGGCTGTGAGGACGGCTTCCAGCAGGGAGCTTCCCTCTGGCGTACCAGGGA
GGCTCCCCAAGGGTCTCGGCGCGCTCCCTGGCCCGGCGGACCCCTCTGCCCTCGCCGAGGCC
CCGCGGTGGATCTGCAGGGAGCCGAGCTCTGGAAGCGCTTTCATGAGATAGGCACTGAGATGATCATC
ACCAAGGCCGGCAGGCGCATGTTCCAGCAATGAGAGTGAAGATCTCTGGATTAGATCTCACCAGCAA
TATTACATTGCCATGGATATTGTACCAGTGGACAACAAAAGATACAGGTATGTTTACCACAGTTCGAAA
TGGATGGTGGCAGGTAATGCTGACTCGCCTGTGCCACCCGCTGTGTACATTCATCCAGACTCGCCTGCC
TCGGGGGAGACTTGGATGAGACAAGTTATCAGCTTCGACAAGCTGAAGCTCACCACAATGAACTGGAT
GACCAAGGCCATATTATTCTTATTCTATGCACAAATACCAACCGCGAGTGCACGTCATCCGTAAGAC
TGTGGAGACGATCTTCTCCCATCAAGCCTGTTCCATCCGGGGAGGGAGTAAAGGCATTCTCCTTCCA
GAAACTGTCTTCAACCGTCACTGCCTATCAGAATCAGCAGATTACTCGCCTGAAGATAGATAGGAAT
CCATTTGCTAAAGGCTTCCGAGACTCCGGGCGCAACAGAATGGGTTTGGAAAGCCTTGGTGGAAATCATAT
GCATTCGGCGACCATCACTACGGACTCTGACCTTGAAGATATCCCTGGAATCCCAAGCAAGGCAAT
GCAAGTTCCTCCACCTTGCTCCAAGTACTGGGAATGGCGTTCCTGCCACTCACCTCACCTTTTGTCT
GGCTCCTCTTGCCTCTCCTGCCTTCCATCTGGGGCCCAACACCAGCCAGCTGTGTAGTCTGGCCCT
GCTGACTATTCTGCCTGTGCCCGCTCAGGCCTCACCTCAACCGATACAGCACATCTTTGGCAGAGACC
TACAACAGGCTACCAACCAGGCTGGTGGAGACCTTGGCCCGCCAGGACTCCCTCCTATGTGGCGTG
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AGCTTATCCATGCAGATTTGGGAATGTCCCCCAGCTCCAGTATATCATGCCATCACCTCCAGCAAT
GCCTTCGCCACTAACCAGACCCATCAGGGTTCCTATAATACTTTTAGATTACACAGCCCTGTGCACTA
TATGGATATAACTTCTCCACATCCCCAAACTGGCTGCCAGTCTGAGAAAATTGTTTCTCCCAAGGA
AGTTTCTGGGGTCTCACCGAGTGGGACCATGACGGATCGGCAGATGTTGCCCTGTGGAAGGAGTG
CACCTGCTTAGCAGTGGGGTCCAGCAGATTTCTTTGACTCTAGGACCCTAGGAAGCTTAACTCTGTCA
TCATCTCAAGTATCTGCACATATGGTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001080508
- Insert Size:** 1824 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: [NM_001080508.2](#)

RefSeq Size: 6068 bp

RefSeq ORF: 1824 bp

Locus ID: 9096

UniProt ID: [O95935](#)

Cytogenetics: 6q14.3

MW: 64.8 kDa

Gene Summary: This genes codes for a member of an evolutionarily conserved family of transcription factors that plays a crucial role in embryonic development. The family is characterized by the presence of the DNA-binding T-box domain and is divided into five sub-families based on sequence conservation in this domain. The encoded protein belongs to the vertebrate specific Tbx1 sub-family. The protein acts as a transcriptional repressor by antagonizing transcriptional activators in the T-box family. The protein forms homo- or heterodimers with other transcription factors of the T-box family or other transcription factors. [provided by RefSeq, Nov 2012]