

Product datasheet for **SC304597**

TBX4 (NM_018488) Human Untagged Clone

Product data:

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|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | TBX4 (NM_018488) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TBX4 |
| Synonyms: | ICPPS; PAPPAS; SPS |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_018488 edited
 ACTCGTTGTGTGCTGTGCCCGCAGGAGATGCTGCAGGATAAGGCCCTGTCCGAGAGCGAG
 GAGGCCTTCCGGGCCCGGGCCAGCGCTCGGAGAGGCCAGCGCAGCCAACGCCCCCGAG
 CCCGCGCTGGCAGCGCCGGGCTCAGCGGAGCCGCGCTAGGCAGCCCCCGGGACCCGGG
 GCCGACGTCGTCGCCGCCGCCGCGGGAGCAGACCATCGAGAACATCAAGGTGGGGCTG
 CATGAGAAGGAGCTCTGGAAGAAGTTCCACGAGGCGGGCACCCAGATGATCATCTACTAAG
 GCGGGCAGGAGGATGTTCCCCAGCTACAAGGTAAGAAGTACAGGCATGAACCCCAAGACC
 AAGTATATCCTGCTGATTGACATTGTCCCTGCCGATGACCATCGCTACAAGTTCTGTGAC
 AACAAATGGATGGTGGCAGGGAAGGCTGAGCCAGCCATGCCAGGAAGGCTGTATGTCAC
 CCGGATTCTCCTGCCACAGGAGCCACTGGATGCGGCAGCTGGTCTCTTCCAGAAGCTG
 AAGCTGACAAACAACCACCTGGACCCCTTTGGCCATATCATCCTCAACTCTATGCACAAG
 TACCAGCCGCGGCTCCACATCGTTAAGGCTGATGAGAACAATGCTTTCCGGCTCCAAAAAC
 ACTGCTTTCTGCACCCACGTGTTCCAGAGACCTCTTCATCTCTGTGACCTCTACCAG
 AATCACAAGATCACCCAGCTGAAAATTGAGAACAACCCTTTTCCAAAGGGATTCCGGGGC
 AGTGATGACAGTGACCTGCGTGTGGCCGACTGCAGAGCAAAGAATACCCCGTGATTTCC
 AAAAGCATCATGAGGCAGAGGCTCATCTCCCCAGCTCTCAGCCACACCCGGACGTGGGC
 CCCCTGCTCGGCACCCACCAGGCACTCCAGCACTACCAGCACGAGAACGGGGCACACTCA
 CAGCTCGCGGAGCCGAGGACCTGCCCTCAGCACCTTTCCACCCAGAGGGACTCAAGC
 CTCTTCTATCACTGCCTGAAAAGACGAGACGGTACCCGCCACCTGGACTTACCTTGCAAG
 CGATCCTATCTGGAAGCCCCCTTTCGGTGGGGGAGGATCACTATTTCCGTTCCCCCCT
 CCCTACGACCAGCAAATGCTGAGCCCTCTACTGCAGTGAGGTGACCCCAAGAGAAGCA
 TGTATGTACTCAGTTTCCAGGCCGAGATTGCCGGGTGTCTGGGTGGACGACCTGCC
 CCACCTCCGCTGAGCTGTAACATGTGGACTTCAGTGTCCCGTACACCAGCTATAGCGTG
 CAGACGATGGAGACTGTGCCGTACCAGCCTTCCCCACGCACTTACCCGCCACCACCATG
 ATGCCCGGCTGCCACCCTCTCCGCTCAGAGCTCCCAGCCACCAGGAAATGCCACTTT
 AGTGTCTACAATCAGCTCTCCAGTCTCAGGTCCGAGAGCGGGGCCAGCGCCTCATT
 CCAAGAGAGCGCGGCTCCCCAAGGTGTGAGAGGAAGCCACCCTCGCCACATCTAAAT
 GCTGCCAATGAGTTTCTACTCTCAAACCTTCTCCTTGTCCCGAGAATCTTCTTACAG
 TACCATTAGGAATGGGACTGTGGAGAACTGGACTGACGGATGACTCTCACGTCTCCTC
 CATAGCCCCGGGACCGTGTGCTCCAGTATTAACCTCTGTGGGTGGCCTGCACTTACCA
 AGAAACACAGGAAGGTATCCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT
 GTATACACGAGCATGTATGTATTTGGAGAGCATCCATCTTCTGACATACTAAGGTC
 TGACAAGGAAAAAACCACATTTATCTAAGAAGTGATTTTGGCTGCAGGACCTGGGT
 CTATTGTTATCTGACATCTTTGACATGCCCGTGGGTGGGATGGGAGTGGAGGGTTCATA
 TGAGTTATTGAGAGGGTTTTATAATGGTTGATTTACTCAGGGGCCAGGTGGGGAGTTCTC
 TCCCATGGGAAAGATTCTCACTGCTGGGTGGGAAGATTCTCGCTGCTGGGGTGTGAGG
 ACTCTGTGCACACCTTAGAGTTCTGGCCTTCTTTGCAAGGGG

Restriction Sites: Please inquire

ACCN: NM_018488

Insert Size: 2100 bp

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| OTI Disclaimer: | <p>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.</p> <p>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</p> |
| OTI Annotation: | <p>The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_018488.1.</p> |
| Components: | <p>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).</p> |
| Reconstitution Method: | <ol style="list-style-type: none">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: | <p>NM_018488.2, NP_060958.2</p> |
| RefSeq Size: | <p>2470 bp</p> |
| RefSeq ORF: | <p>1638 bp</p> |
| Locus ID: | <p>9496</p> |
| UniProt ID: | <p>P57082</p> |
| Cytogenetics: | <p>17q23.2</p> |
| Gene Summary: | <p>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 the human homolog of mouse Tbx4, which is closely linked to Tbx2 on mouse chromosome 11. Similarly this gene, like TBX2, maps to human chromosome 17. Expression studies in mouse and chicken show that Tbx4 is expressed in developing hindlimb, but not in forelimb buds, suggesting a role for this gene in regulating limb development and specification of limb identity. [provided by RefSeq, Jul 2008]</p> |