

Product datasheet for **SC315558**

TBX20 (NM_001077653) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TBX20 (NM_001077653) Human Untagged Clone
Tag: Tag Free
Symbol: TBX20
Synonyms: ASD4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001077653 edited
 ATGGAGTTCACGGCGTCCCCAAGCCCCAACTCTCCTCTCGGGCCAACGCCTTCTCCATT
 GCCGCGCTCATGTTCGAGCGCGGCTCTAAGGAGAAGGAGGCGACGGAGAACACAATCAAA
 CCCCTGGAGCAATTTGTGGAGAAGTCGTCTGTGCCAGCCCTGGGTGAGCTGACCAGC
 CTGGATGCTCATGGGGAGTTTGGTGGAGGCAGTGGCAGCAGCCCTCCTCCTCTCTG
 TGCACTGAGCCACTGATCCCCACCACCCCATCATCCCCAGTGAGGAAATGGCCAAAATT
 GCCTGCAGCCTGGAGACCAAGGAGCTTTGGGACAAATTCATGAGCTGGGCACCGAGATG
 ATCATACCAAGTCGGGCAGGAGGATGTTTCCAACCATCCGGGTGTCCTTTTCGGGGGTG
 GATCCTGAGGCCAAGTACATAGTCTGATGGACATCGTCCCTGTGGACAACAAGAGGTAC
 CGCTACGCCTACCACGGTCTCCTGGCTGGTGGCTGGCAAGGCCGACCCGCGTTGCCA
 GCCAGGCTCTATGTGCATCCAGATTCTCCTTTTACCGGTGAGCAACTACTCAAACAGATG
 GTGCTTTTGAAGGTGAAACTCACCACAATGAACTGGATCAACATGGCCATATAATT
 TTGAACTCAATGCATAAGTACCAGCCAAGGGTGCACATCATTAAAGAAAGACCACACA
 GCCTCATTGCTCAACCTGAAGTCTGAAGAATTTAGAATTTTCATCTTTCCAGAAACAGTT
 TTTACGGCAGTCACTGCCTACCAGAATCAACTGATAACGAAGCTGAAAATAGATAGCAAT
 CCTTTTGGCAAAGGATCCGGGATTCCTCCAGGCTCACTGACATTGAGAGGGAAAGTGTG
 GAGAGCCTGATTCAAAAGCATTCTATGCACGCTCACCCATCCGTACCTACGGAGGAGAA
 GAAGATGCTTTGGGGGATGAGAGTCAGACAACCCCAAATCGAGGGTCAGCCTTTACAACA
 TCTGATAATTTGTCTCTCAGCTCCTGGGTATCATCTTCTCCAGTTTTCTGGGTTTCAG
 CACCCACAGTCCCTGACTGCTCTTGGCACAGCAGCATCCATAGCAACACCCATTCTCT
 CACCCCATCCAGGGTTCTCTGCCACCATATAGCCGACTGGGAATGCCTCTGACACCATCG
 GCCATTGCCAGCTCCATGCAAGGGAGTGGCCCCACATTCCCTTATTCCACATGCCGCGA
 TACCATCACTATTTTCAGCAGGGGCCCTATGCTGCCATTCAAGGACTACGCCATTCTCT
 GCTGTGATGACGCCATTTGTATGA

Restriction Sites: Please inquire



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ACCN:	NM_001077653
Insert Size:	1300 bp
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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001077653.1.
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:	<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:	NM_001077653.1 , NP_001071121.1
RefSeq Size:	1355 bp
RefSeq ORF:	1344 bp
Locus ID:	57057
UniProt ID:	Q9UMR3
Cytogenetics:	7p14.2
Protein Families:	Transcription Factors

Gene Summary:

This gene encodes a T-box family member. The T-box family members share a common DNA binding domain, termed the T-box, and they are transcription factors involved in the regulation of developmental processes. This gene is essential for heart development. Mutations in this gene are associated with diverse cardiac pathologies, including defects in septation, valvulogenesis and cardiomyopathy. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009] Transcript Variant: This variant (1) encodes the longer 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.