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 SC327450

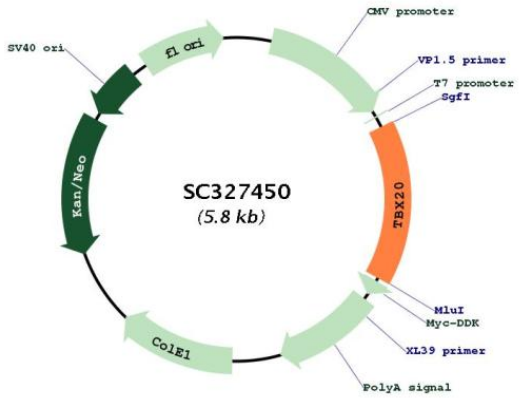
TBX20 (NM_001166220) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBX20 (NM_001166220) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBX20
Synonyms:	ASD4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327450 representing NM_001166220. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGAGTTCACGGCGTCCCCCAAGCCCCAACTCTCCTCTCGGGCCAACGCCTTCTCCATTGCCGCGCTC ATGTCGAGCGGCGGCTCTAAGGAGAAGGAGGCGACGGAGAACACAATCAAACCCCTGGAGCAATTTGTG GAGAAGTCGTCCTGTGCCCAGCCCCTGGGTGAGCTGACCAGCCTGGATGCTCATGGGGAGTTTGGTGGA GGCAGTGGCAGCAGCCCGTCCTCCTCCTCTCTGTGCACTGAGCCACTGATCCCCACCACCCCCATCATC CCCAGTGAGGAAATGGCCAAAATTGCCTGCAGCCTGGAGACCAAGGAGCTTTGGGACAAATTCCATGAG CTGGGCACCGAGATGATCATCACCAAGTCGGGCAGGAGGATGTTTCCAACCATCCGGGTGTCCTTTTCG GGGGTGGATCCTGAGGCCAAGTACATAGTCCTGATGGACATCGTCCCTGTGGACAACAAGAGGTACCGC TACGCCTACCACCGGTCCTCCTGGCTGGTGGCTGGCAAGGCCGACCCGCCGTTGCCAGCCAGGCTCTAT GTGCATCCAGATTCTCCTTTTACCGGTGAGCAACTACTCAAACAGATGGTGTCTTTTGAAAAGGTGAAA CTCACCAACAATGAACTGGATCAACATGGCCATATAATTTTGAACTCAATGCATAAGTACCAGCCAAGG GTGCACATCATTAAGAAGAAAGACCACACAGCCTCATTGCTCAACCTGAAGTCTGAAGAATTTAGAACT TTCATCTTTCCAGAAACAGTTTTTACGGCAGTCACTGCCTACCAGAATCAACTGATAACGAAGCTGAAA ATAGATAGCAATCCTTTTGCCAAAGGATTCCGGGATTCCTCCAGGCTCACTGACATTGAGAGGTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

View online »

Plasmid Map:



ACCN:	NM_001166220
Insert Size:	894 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_001166220.1
RefSeq Size:	1374 bp
RefSeq ORF:	894 bp

Locus ID:	57057
UniProt ID:	Q9UMR3
Cytogenetics:	7p14.2
Protein Families:	Transcription Factors
MW:	33.2 kDa
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 (2) has an alternate 3' end, as compared to variant 1. The resulting isoform (2) is C-terminal truncated, as compared to 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.