

Product datasheet for **SC326623**

SOX6 (NM_001145811) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SOX6 (NM_001145811) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOX6
Synonyms:	HSSOX6; SOXD; TOLCAS
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001145811, the custom clone sequence may differ by one or more nucleotides

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ATGTCTTCCAAGCAAGCCACCTCTCCATTTGCCTGTGCAGCTGATGGAGAGGATGCAATG
ACCCAGGATTTAACCTCAAGGAAAAGGAAGAGGGCAGTGATCAACATGTGGCCTCCCAT
CTGCCTCTGCACCCATAATGCACAACAACTCACTCTGAGGAGCTACCAACACTTGTC
AGTACCATTCAACAAGATGCTGACTGGGACAGCGTTCTGTATCTCAGCAAAGAATGGAA
TCAGAGAATAAATAAGTTATGTTCCCTATATTCCTCCGAAATACCTCTACCTCACCACAT
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GAGCGCCGCAAAGGGAGTCTTGCCGATGTGGTGGACACACTGAAACAGAAGAAGCTTGAG
GAAATGACTCGGACTGAACAAGAGGATTCTCCTGCATGGAAAACTACTTTCAAAGAT
TGGAAAGAAAAATGGAAAGACTAAATACCAGTGAACCTCTTGGAGAAATTAAGGTACA
CCTGAGAGCCTGGCAGAAAAAGAACGGCAGCTCTCCACCATGATTACCCAGCTGATCAGT
TTACGGGAGCAGCTACTGGCAGCGCATGATGAACAGAAAAACTGGCAGCGTCACAAATT
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CAGCAGCAACTTCTGCAACAGCAGCACAATAATCTCCTGCAGCAACAGATCCAGGTT
CAGGGTACATGCCTCCGCTCATGATCCCAATTTTCCACATGACCAGCGGACTCTGGCA
GCAGCTGCTGCTGCCAACAGGGATTCTCTTCCCCCTGGAATAACATACAAACCAGGT
GATAACTACCCCGTACAGTTCATTCCATCAACAATGGCAGCTGCTGCTGTTCTGGACTC
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GGAGCAAAGATGCCATCAACTCCACAGCCACCAACACAGCAGGGACGGTCTCACCTACT
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GCACAGCCTCTGAATCTCTCATCCCGACCAAGACAGCAGAGCCTGTAAGTCCCCAACG
TCTCCCACCCAGAACCTTCTCCAGCAGCAAAACCAGCCCTGTCAATCTGCCAAACAAA
AGCAGCATCCCTAGCCCCATTGGAGGAAGCCTGGGAAGAGGATCCCTTTTAGGTAATGG
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GCCCTTTTGGGGATCAGGATACAGTGATGAAAGCCATTCAGGAGGCGCGGAAGATGCGA
GAGCAGATCCAGCGGGAGCAACAGCAGCAACAGCCACATGGTGTGACGGGAAACTGTCC
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AATTTGGGGCCCCAGTTAACGGGAAAGTCAAATGAAGATGGAAAACCTGGGCCAGGTGTC
ATCGACCTTACTCGCCAGAAGATGCAGAGGGAAGTAAAGCAATGAATGGCTCTGCAGCT
AAACTACAGCAGTATTATTGTTGGCCAACAGGAGGTGCCACTGTGGCTGAAGCAGAGTC
TACAGGGACGCCCGCGCGGTGCCAGCAGCGAGCCACACATTAAGCGACCAATGAATGCA
TTCATGGTTTGGGCAAAGGATGAGAGGAGAAAAATCCTTCAGGCCTTCCCAGCATGCAT
AACTCCAACATTAGCAAAATCTTAGGATCTCGCTGGAAATCAATGTCCAACCAGGAGAAG
CAACCTTATTATGAAGAGCAGGCCCGGCTAAGCAAAGATCCACTTAGAGAAGTACCCAAAC
TATAAATACAAACCCCGACCGAAACGCACCTGCATTGTTGATGGCAAAAAGCTTCGGATT
GGGGAGTATAAGCAACTGATGAGGTCTCGGAGACAGGAGATGAGGCAGTCTTTACTGTG
GGGCAACAGCCTCAGATTCCAATCACCACAGGAACAGGTGTTGTGTATCCTGGTGTATC
ACTATGGCAACTACCACACCATCGCCTCAGATGACATCTGACTGCTTAGCACCTCGGCC
AGCCCGGAGCCAGCCTCCCGGTATCCAGAGCACTTATGGTATGAAGACAGATGGCGGA
AGCCTAGCTGAAATGAAATGATCAATGGAGAGGATGAAATGAAATGTATGATGACTAT
GAAGATGACCCCAATCAGACTATAGCAGTGAAAATGAAGCCCCGGAGGCTGTCAGTGCC
AAC

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Restriction Sites: Please inquire

ACCN: NM_001145811

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:	<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_001145811.1 , NP_001139283.1
RefSeq Size:	8957 bp
RefSeq ORF:	2406 bp
Locus ID:	55553
UniProt ID:	P35712
Cytogenetics:	11p15.2
Protein Families:	Transcription Factors
Gene Summary:	<p>This gene encodes a member of the D subfamily of sex determining region y-related transcription factors that are characterized by a conserved DNA-binding domain termed the high mobility group box and by their ability to bind the minor groove of DNA. The encoded protein is a transcriptional activator that is required for normal development of the central nervous system, chondrogenesis and maintenance of cardiac and skeletal muscle cells. The encoded protein interacts with other family members to cooperatively activate gene expression. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Mar 2009]</p> <p>Transcript Variant: This variant (3) has multiple differences in the coding region, compared to variant 1. The encoded isoform (3) is shorter than isoform 1. Variants 1 and 3 both encode the same isoform (b). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>