

Product datasheet for **MC228931**

Sox6 (NM_001277328) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox6 (NM_001277328) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sox6
Synonyms:	AI987981; SOX-LZ
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228931 representing NM_001277328
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTTCCAAGCAAGCCACCTCTCCATTTGCCTGTACAGCGGATGGAGAGGAAGCAATGACCCAGGACT
 TGACCTCAAGGGAAAAGGAAGAGGGCAGTGATCAACACCCGGCCTCCCATCTGCCTCTGCACCCATAAT
 GCACAACAAACCTCACTCTGAGGAGCTGCCTACACTTGTCACTACCATTCAACAAGATGCTGACTGGGAC
 AGCGTTCTGTCTCAGCAAAGAATGGAGTCAAGAAATAAAGTTATGTTCCCTATATTCCTCCGAA
 ATACGTCTACCTCACCACATAAGCCTGACGAAGGGAGTCGGGAGCGTAAATAATGAACAGTGTTACTTT
 TGGAACCCCGGAACGCCCAAAGGGAGCCTTGCCGATGTGGTGGATACGCTGAAGCAGAAGAAGCTGGAG
 GAGATGACTCGGACAGAACAAGAGGATTCCTCCTGCATGGAAAACTACTTTCAAAGATTGGAAGGAAA
 AAATGGAAAGACTAAATACGAGTGAACCTCTTGGAGAAAACAAAGGTACACCTGAGAGCCTTGACAGAA
 AGAACGGCAACTCTCCACATGATTACCCAGCTGATCAGCTTGGGGAGCAGCTCCTGGCAGCCCATGAT
 GAACAGAAAAAGCTGGCAGCATCGCAGATCGAGAAACAGCGGCAGCAAATGGACCTTGCTCGCCAACAGC
 AAGAACAGATCGCAAGACAACAGCAGCAACTTCTACAGCAGCAGCACAAGATTAATCTCCTCGCAGCAACA
 GATCCAGGTTCCAGGGCACATGCCTCCGCTCATGATCCCAATTTTCCACATGACCCAGCGGACCTTGGCA
 GCAGCTGCTGCTGCCAACAGGGATTCTCTTCCCCCTGGAAATAACATAACAAGCCAGGTGATAACTACC
 CCGTACAGTTCATTCCGTCAACAATGGCAGCTGCTGCTGCTTCTGGACTCAGCCCTTACAGCTTCAGCA
 GCTCTATGCCGCTCAGCTGGCCAGCATGACAGGTGTACCTGGAGCAAAGATGCCATCAACTCCACAGCCA
 CAAACTCGGCAGGGCAGTCTACCTACTGGGATAAAAAATGAAAAGAGAGGGACCAGCCCTGTAACCTC
 AAGTTAAGGATGAAACAACAGCCAGCCGCTGAATCTCTCATCCCGCCTAAGACAGCAGAGCCTGTGAA
 GTCCCCAACATCTCCACCCAGAACCTTCTCCAGCCAGCAAACAGCCCTGTCAACCTGCCAAACAAA
 AGCAGCATCCCCAGCCCCATTGGAGGAAGCCTGGGGAGAGGATCCTCTCTAGATATACTATCCAGTCTCA
 ACTCTCCTGCCCTGTTTGGGGACCAGGACACAGTGATGAAAGCCATTGAGGAGGCTCGGAAGATGCGAGA
 ACAGATCCAGCGGGAGCAACAACAGCAGCCACACGGAGTTGATGGGAAACTGTCTCCATGAACAACATG
 GGGCTGAGCAACTGCAGGACTGAGAAGGAAAGAACACGCTTTGAGAACCTGGGTCCCAATTAACAGGAA
 AGTCAAGTGAAGATGGAAGACTGGGCCCGGTGTATCGATCTCACTCGGCCAGAGGACGCAGAAGGAAG
 CAAAGCAATGAATGGCTCTGCAGCTAACTACAGCAGTATTATTGTTGGCCAACAGGAGGCCCACTGTG
 GCTGAAGCCCGTGTCTACAGGGATGCCCGCGCCGTGCCAGCAGGAACCCACATCAAGCGACCAATGA
 ATGCGTTCATGGTTTGGGCAAAGGACGAAAGGAGGAAAATTTCTCAGGCCTTCCCTGACATGCATAACTC
 CAACATTAGCAAAATCTTAGGATCTCGCTGGAATCCATGTCCAACAGGAGAAGCAACCTTACTATGAA
 GAACAGGCCCGGCTAAGCAAAATCCACCTAGAGAAGTACCCAACTACAAGTACAAACCCCGGCCGAAAGC
 GCACATGCATCGTGGATGGCAAGAAGCTCCGGATTGGGGAGTACAAGCAACTGATGCGCTCGCAAGGCA
 GGAGATGCGACAGTTCTCACTGTGGGCAACAGCCTCAGATGCCATCACACAGGAACAGGTGTTGTG
 TATCCTGGTGCTATTACTATGGCAACGACCACACCATCACCTCAGATGACATCTGACTGCTCTAGCACCT
 CTGCCAGCCCCGAGCCAGCCTCCCTGTATCCAGAGCACGTATGGTATGAAGATGGACGGCGCAAGCCT
 GGCTGGGAACGACATGATTAATGGAGAGGATGAAATGGAAGCCTATGACGACTACGAAGATGATCCCAAA
 TCAGACTATAGCAGCGAGAATGAGGCCCCAGAGCCTGTCACTGCCAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001277328
Insert Size: 2361 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001277328.1, NP_001264257.1</u>
RefSeq Size:	8427 bp
RefSeq ORF:	2361 bp
Locus ID:	20679
UniProt ID:	<u>P40645</u>
Cytogenetics:	7 61.29 cM
Gene Summary:	<p>This gene encodes a member of a family of transcriptional regulators containing high mobility group (HMG) DNA-binding domains. Function of the encoded protein is important for proper cardiac and skeletal development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]</p> <p>Transcript Variant: This variant (6) differs in the 5' UTR and lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (4) is shorter than 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.</p>