

## Product datasheet for **MC228932**

### Sox6 (NM\_001277327) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sox6 (NM_001277327) 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:** >MC228932 representing NM\_001277327  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCTTCCAAGCAAGCCACCTCTCCATTTGCCTGTACAGCGGATGGAGAGGAAGCAATGACCCAGGACT  
 TGACCTCAAGGGAAAAGGAAGAGGGCAGTGATCAACACCCGGCCTCCCATCTGCCTCTGCACCCATAAT  
 GCACAACAAACCTCACTCTGAGGAGCTGCCTACACTTGTCACTACCATTCAACAAGATGCTGACTGGGAC  
 AGCGTTTGTCTATCTCAGCAAAGAATGGAGTCAAGAAATAAAGTTATGTTCCCTATATTCCTCCGAA  
 ATACGTCTACCTCACCACATAAGCCTGACGAAGGGAGTCGGGAGCGTAAATAATGAACAGTGTTACTTT  
 TGGAACCCCGGAACGCCGAAAGGGAGCCTTGCCGATGTGGTGGATACGCTGAAGCAGAAGAAGCTGGAG  
 GAGATGACTCGGACAGAACAAGAGGATTCCTCCTGCATGGAAAACTACTTTCAAAGATTGGAAGGAAA  
 AAATGGAAGACTAAATACGAGTGAACCTCTTGGAGAAAACAAAGGTACACCTGAGAGCCTTGACAGAA  
 AGAACGGCAACTCTCCACATGATTACCCAGCTGATCAGCTTGGGGAGCAGCTCCTGGCAGCCCATGAT  
 GAACAGAAAAAGCTGGCAGCATCGCAGATCGAGAAACAGCGGCAGCAAATGGACCTTGCTCGCAACAGC  
 AAGAACAGATCGCAAGACAACAGCAGCAACTTCTACAGCAGCAGACAAGATTAATCTCCTCGCAACA  
 GATCCAGCAGGTTCAGGGGCACATGCCTCCGCTCATGATCCCAATTTTTCCACATGACCAGCGGACCTTG  
 GCAGCAGCTGCTGCTGCCAACAGGGATTCTCTTCCCCCTGGAATAACATAACAAGCCAGGTGATAACT  
 ACCCCGTACAGTTCATCCGTCAACAATGGCAGCTGCTGCTGCTTCTGGACTCAGCCCTTACAGCTTCA  
 GCAGCTCTATGCCGCTCAGCTGGCCAGCATGCAGGTGTCACCTGGAGCAAAGATGCCATCAACTCCACAG  
 CCACCAAACCTGGCAGGGCAGTCTCACCTACTGGGATAAAAAATGAAAAGAGAGGGACCAGCCCTGTAA  
 CTCAAGTTAAGGATGAAACAACAGCCAGCCGCTGAATCTCTCATCCCGCCTAAGACAGCAGAGCCCTGT  
 GAAGTCCCAACATCTCCACCCAGAACCTCTTCCAGCCAGCAAACCCAGCCCTGTCAACCTGCCAAAC  
 AAAAGCAGCATCCCCAGCCCATTTGGAGGAAGCCTGGGGAGAGGATCCTCTAGATATACTATCCAGTC  
 TCAACTCTCCTGCCCTGTTGGGGACCAGGACACAGTGTAAAGCCATTGAGGAGGCTCGGAAGATGCG  
 AGAACAGATCCAGCGGGAGCAACAACAGCAGCCACACGGAGTTGATGGGAACTGTCTCCATGAACAAC  
 ATGGGGCTGAGCAACTGCAGGACTGAGAAGGAAAGAACACGCTTTGAGAACTGGGTCCCAATTAACAG  
 GAAAGTCAAGTGAAGATGGAAAACCTGGGCCGGGTGTATCGATCTCACTCGGCCAGAGGACGCAGAAGG  
 AAGCAAAGCAATGAATGGCTCTGCAGCTAACTACAGCAGTATTATTGTTGGCCAACAGGAGGCCCACT  
 GTGGCTGAAGCCGTGTCTACAGGGATGCCCGCGCCGTGCCAGCAGCGAACCCACATCAAGCGACCAA  
 TGAATGCGTTTATGGTTTGGGCAAAGGACGAAAGGAGGAAAATTTTCCAGCCTTCCCTGACATGCATAA  
 CTCCAACATTAGCAAAATCTTAGGATCTCGCTGGAAATCCATGTCCAACAGGAGAAGCAACCTTACTAT  
 GAAGAACAGGCCCGGCTAAGCAAAATCCACCTAGAGAAGTACCAAACTACAAGTACAAACCCCGGCCGA  
 AGCGCACATGCATCGTGGATGGCAAGAAGCTCCGGATTGGGGAGTACAAGCAACTGATGCCTCGCGAAG  
 GCAGGAGATGCGACAGTTCTTCACTGTGGGCAACAGCCTCAGATGCCCATCACCACAGGAACAGGTGTT  
 GTGTATCCTGGTGTCTTACTATGGCAACGACCACACCATCACCTCAGATGACATCTGACTGCTCTAGCA  
 CCTCTGCCAGCCCGAGCCAGCCTCCCTGTATCCAGAGCAGTATGGTATGAAGATGGACGGCGCAAG  
 CCTGGCTGGGAACGACATGATTAATGGAGAGGATGAAATGGAAGCCTATGACGACTACGAAGATGATCCC  
 AAATCAGACTATAGCAGCGAGAATGAGGCCAGAGCCTGTCACTGCAACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001277327  
**Insert Size:** 2364 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001277327.1, NP_001264256.1</u>
<b>RefSeq Size:</b>	8722 bp
<b>RefSeq ORF:</b>	2364 bp
<b>Locus ID:</b>	20679
<b>Cytogenetics:</b>	7 61.29 cM
<b>Gene Summary:</b>	<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 (5) differs in the 5' UTR, lacks an alternate in-frame exon, and uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Both variants 2 and 5 encode the same isoform (2). 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>