

## Product datasheet for **MC221563**

### Sox6 (NM\_001025560) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sox6 (NM_001025560) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sox6
Synonyms:	AI987981; SOX-LZ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221563 representing NM\_001025560  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCTTCCAAGCAAGCCACCTCTCCATTTGCCTGTACAGCGGATGGAGAGGAAGCAATGACCCAGGACT  
 TGACCTCAAGGGAAAAGGAAGAGGGCAGTGATCAACACCCGGCCTCCCATCTGCCTCTGCACCCATAAT  
 GCACAACAAACCTCACTCTGAGGAGCTGCCTACACTTGTCACTACCATTCAACAAGATGCTGACTGGGAC  
 AGCGTTCTGTCATCTCAGCAAAGAATGGAGTCAGAGAATAATAAGTTATGTTCCCTATATTCCTCCGAA  
 ATACGTCTACCTCACCACATAAGCCTGACGAAGGGAGTCGGGAGCGTAAAATAATGAACAGTGTTACTTT  
 TGGAACCCCGGAACGCCGCAAAGGGAGCCTTGCCGATGTGGTGGATACGCTGAAGCAGAAGAAGCTGGAG  
 GAGATGACTCGGACAGAACAAGAGGATTCCTCCTGCATGGAAAACTACTTTCAAAGATTGGAAGGAAA  
 AAATGGAAGACTAAATACGAGTGAACCTCTGGAGAAAATCAAAGGTACACCTGAGAGCCTTGACAGAGAA  
 AGAACGGCAACTCTCCACCATGATTACCCAGCTGATCAGCTTGGGGAGCAGCTCCTGGCAGCCCATGAT  
 GAACAGAAAAAGCTGGCAGCATCGCAGATCGAGAAACAGCGGCAGCAAATGGACCTTGCTCGCCAACAGC  
 AAGAACAGATCGCAAGACAACAGCAGCAACTTCTACAGCAGCAGACAAGATTAATCTCCTCGACAAACA  
 GATCCAGGTTCCAGGGGCATGCCTCCGCTCATGATCCCAATTTTCCACATGACCAGCGGACCTTGGCA  
 GCAGCTGCTGCTGCCAACAGGGATTCTCTTCCCCCTGGAAATAACATAACAAGCCAGGTGATAACTACC  
 CCGTACAGTTCATTCCGTCAACAATGGCAGCTGCTGCTGCTTCTGGACTCAGCCCTTACAGCTTACAGT  
 CTATGCCGCTCAGCTGGCCAGCATGCAGGTGTACCTGGAGCAAAGATGCCATCAACTCCACAGCCACCA  
 AACTCGCAGGGGAGTCTCACCTACTGGGATAAAAAATGAAAAGAGAGGGACCAGCCCTGTAACCTAAG  
 TTAAGGATGAAAACAACAGCCAGCCGCTGAATCTCTCATCCCGCCTAAGACAGCAGAGCCTGTGAAGT  
 CCCAACATCTCCACCCAGAACCTCTCCAGCCAGCAAACCAGCCCTGTCAACCTGCCAAACAAAGC  
 AGCATCCCAGCCCAATTGGAGGAAGCCTGGGGAGAGGATCCTCTCTAGATATACTATCCAGTCTCAACT  
 CTCCTGCCCTGTTTGGGGACCAGGACACAGTGTGAAAGCCATTACAGGAGCTCGGAAGATGCGAGAACA  
 GATCCAGCGGGAGCAACAACAGCAGCCACACGGAGTTGATGGGAACTGCTCCTCATGAACAACATGGGG  
 CTGAGCAACTGCAGGACTGAGAAGGAAAGAACACGCTTTGAGAACCTGGGCCCCAATTAACAGGAAAGT  
 CAAGTGAAGATGGAAAACCTGGGCCCGGGTGTATCGATCTCACTCGCCAGAGGACGCAGAAGGAAGCAA  
 AGCAATGAATGGCTCTGCAGCTAACTACAGCAGTATTATTGTTGGCCAACAGGAGGCGCCACTGTGGCT  
 GAAGCCCGTGTCTACAGGGATGCCCGCGCGGTGCCAGCAGCAACCCCATCAAGCGACCAATGAATG  
 CGTTCATGGTTTGGGCAAAGGACGAAAGGAGGAAAATTCTTACGGCCTTCCCTGACATGCATAACTCCAA  
 CATTAGCAAAATCTTAGGATCTCGCTGGAAATCCATGTCCAACCAGGAGAAGCAACCTTACTATGAAGAA  
 CAGGCCCGGCTAAGCAAAATCCACCTAGAGAAGTACCCAAACTACAAGTACAAACCCCGCCGAAGCGCA  
 CATGCATCGTGGATGGCAAGAAGCTCCGGATTGGGGAGTACAAGCAACTGATGCGCTCGCGAAGGCAGGA  
 GATGCGACAGTCTTCACTGTGGGGCAACAGCCTCAGATGCCATCACACAGGAACAGGTGTTGTGTAT  
 CCTGGTGTATTACTATGGCAACGACCACCATCACCTCAGATGACATCTGACTGCTCTAGCACCTCTG  
 CCAGCCCCGAGCCAGCCTCCCTGTATCCAGAGCAGTATGGTATGAAGATGGACGGCGCAAGCCTGGC  
 TGGGAACGACATGATTAATGGAGAGGATGAAATGGAAGCCTATGACGACTACGAAGATGATCCCAATCA  
 GACTATAGCAGCGAGAATGAGGCCCCAGAGCCTGTCAGTGCCAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001025560  
**Insert Size:** 2358 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>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>	<a href="#">NM_001025560.2</a> , <a href="#">NP_001020731.1</a>
<b>RefSeq Size:</b>	8681 bp
<b>RefSeq ORF:</b>	2358 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 (3) 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 (3) 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>