

## Product datasheet for **MR231143**

### Sox6 (NM\_001277327) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sox6 (NM_001277327) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sox6
Synonyms:	AI987981; SOX-LZ
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>MR231143 representing NM\_001277327  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCCTTCCAAGCAAGCCACCTCTCCATTTGCCTGTACAGCGGATGGAGAGGAAGCAATGACCCAGGACT  
TGACCTCAAGGGAAAAGGAAGAGGGCAGTGATCAACACCCGGCCTCCCATCTGCCTTGACCCCAATAAT  
GCACAACAAACCTCACTCTGAGGAGCTGCCTACACTTGTCACTACCATTCAACAAGATGCTGACTGGGAC  
AGCGTTTGTCTATCTCAGCAAAGAATGGAGTCAAGAAATAAAGTTATGTTCCCTATATTCCTCCGAA  
ATACGTCTACCTCACCACATAAGCCTGACGAAGGGAGTCGGGAGCGTAAATAATGAACAGTGTTACTTT  
TGGAAACCCGGAACGCCGAAAGGGAGCCTTGCCGATGTGGTGGATACGCTGAAGCAGAAGAAGCTGGAG  
GAGATGACTCGGACAGAACAAGAGGATTCCTCCTGCATGGAAAACTACTTTCAAAGATTGGAAGGAAA  
AAATGGAAAGACTAAATACGAGTGAACCTCTTGGAGAAAATCAAAGGTACACCTGAGAGCCTTGACAGAA  
AGAACGGCAACTCTCCACCATGATTACCCAGCTGATCAGCTTGGGGAGCAGCTCCTGGCAGCCCATGAT  
GAACAGAAAAAGCTGGCAGCATCGCAGATCGAGAAACAGCGGCAGCAAATGGACCTTGCTCGCCAACAGC  
AAGAACAGATCGCAAGACAACAGCAGCAACTTCTACAGCAGCAGCACAAGATTAATCTCCTCGACAAACA  
GATCCAGCAGGTTGAGGGGCACATGCCTCCGCTCATGATCCCAATTTTTCCACATGACCAGCGGACCTTG  
GCAGCAGCTGCTGCTGCCAACAGGGATTCTCTTCCCCCTGGAATAACATAACAAGCCAGGTGATAACT  
ACCCCGTACAGTTCATCCGTCAACAATGGCAGCTGCTGCTGCTTCTGGACTCAGCCCTTACAGCTTCA  
GCAGCTCTATGCCGCTCAGCTGGCCAGCATGCAGGTGTCACCTGGAGCAAAGATGCCATCAACTCCACAG  
CCACCAAACCTGGCAGGGGAGCTCACCTACTGGGATAAAAAATGAAAAGAGAGGGACCAGCCCTGTAA  
CTCAAGTTAAGGATGAAACAACAGCCAGCCGCTGAATCTCTCATCCCGCCTAAGACAGCAGAGCCTGT  
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AAAAGCAGCATCCCCAGCCCATTTGGAGGAAGCCTGGGGAGAGGATCCTCTAGATATACTATCCAGTC  
TCAACTCTCCTGCCCTGTTGGGGACCAGGACACAGTGTAAAGCCATTGAGGAGGCTCGGAAGATGCG  
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ATGGGGCTGAGCAACTGCAGGACTGAGAAGGAAAGAACACGCTTTGAGAACCTGGGTCCCAATTAACAG  
GAAAGTCAAGTGAAGATGGAAAAGTGGGCCGGGTGTCATCGATCTCACTCGGCCAGAGGACGCAGAAGG  
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TGAAATGCGTTTATGGTTTGGGCAAAGGACGAAAGGAGGAAAAATCTTTCAGGCCTTCCCTGACATGCATAA  
CTCCAACATTAGCAAAATCTTAGGATCTCGCTGGAAATCCATGTCCAACAGGAGAAGCAACCTTACTAT  
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AGCGCACATGCATCGTGGATGGCAAGAAGCTCCGGATTGGGGAGTACAAGCAACTGATGCCTCGCGAAG  
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CCTCTGCCAGCCCGAGCCAGCCTCCCTGTATCCAGAGCACGTATGGTATGAAGATGGACGGCGCAAG  
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AAATCAGACTATAGCAGCGAGAATGAGGCCCGAGAGCCTGTCAAGTCCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231143 representing NM\_001277327  
 Red=Cloning site Green=Tags(s)

MSSKQATSPFACTADGEEAMTQDLTSREKEEGSDQHPASHLPLHPIMHNKPHSEELPTLVSTIQDADWD  
 SVLSSQQRMESENKCLSLYSFRNTSTSPHKPDEGSREREIMNSVTFGTPERRKGLADVVDTLKQKKLE  
 EMTRTEQEDSSCMEKLLSKDWKEKMERLNTSELLGEIKGTPESLAEKERQLSTMITQLISLREQLLAHD  
 EQKLAASQIEKQRQQMDLARQQQEQIARQQQQLLQQQHKINLLQQQIQQVQGHMPPLMIPIFPHDQRTL  
 AAAAAAQQGFLFPPGITYKPGDNYPVQFIPSTMAAAAASGLSPLQLQLYAAQLASMQVSPGAKMPSTPQ  
 PPNSAGAVSPTGIKNEKRGTSPTVQVKDETTAQLNLSSRPKTAEPVKSPTSPTQNLFPASKTSPVNLPN  
 KSSIPSPIGGSLGRGSSLDILSSLNSPALFGDQDVMKAIQEARKMREIQREQQQPHGVGDKLSSMNN  
 MGLSNCRTEKERTRFENLGPQLTGKSSDGKLGPGVIDLTRPEDAEGSKAMNGSAAKLQQYYCWPTGGAT  
 VAEARVYRDARGRASSEPHIKRPMNAFMVWAKDERRKILQAFPMHNSNISKILGSRWKSMSNQEKOPY  
 EEQARLSKIHLEKYPNYKYKPRPKRTCIVDGKKLRIGEYKQLMRSRRQEMRQFFTVGQQPQMPITGTGV  
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 KSDYSSENEAPEPVSAN

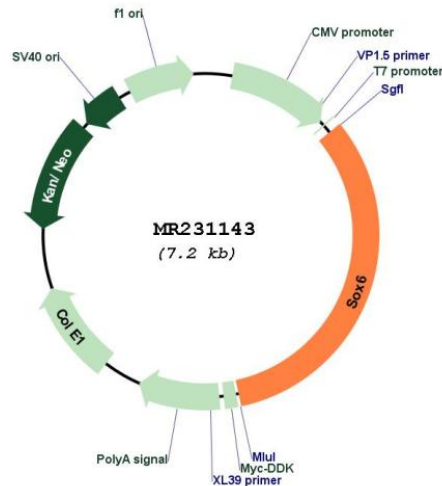
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001277327

**ORF Size:** 2361 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001277327.1](#), [NP\\_001264256.1](#)

**RefSeq Size:** 8722 bp

**RefSeq ORF:** 2364 bp

**Locus ID:** 20679

**Cytogenetics:** 7 61.29 cM

**MW:** 87.8 kDa

**Gene Summary:**

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]