

Product datasheet for **MC229012**

Sox6 (NM_001277326) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Sox6 (NM_001277326) 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: >MC229012 representing NM_001277326
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTTCCAAGCAAGCCACCTCTCCATTTGCCTGTACAGCGGATGGAGAGGAAGCAATGACCCAGGACT
 TGACCTCAAGGGAAAAGGAAGAGGGCAGTGATCAACACCCGGCCTCCCATCTGCCTCTGCACCCATAAT
 GCACAACAAACCTCACTCTGAGGAGCTGCCTACACTTGTCACTACCATTCAACAAGATGCTGACTGGGAC
 AGCGTTTGTCTCAGCAAAGAATGGAGTCAAGAAATAAAGTTATGTTCCCTATATTCCTCCGAA
 ATACGTCTACCTCACCACATAAGCCTGACGAAGGGAGTCGGGAGCGTAAATAATGAACAGTGTTACTTT
 TGGAACCCCGGAACGCCGAAAGGGAGCCTTGCCGATGTGGTGGATACGCTGAAGCAGAAGAAGCTGGAG
 GAGATGACTCGGACAGAACAAGAGGATTCCTCCTGCATGGAAAACTACTTTCAAAGATTGGAAGGAAA
 AAATGGAAGACTAAATACGAGTGAACCTTTGGAGAAAATCAAAGGTACACCTGAGAGCCTTGACAGAA
 AGAACGGCAACTCTCCACATGATTACCCAGCTGATCAGCTTGGGGAGCAGCTCCTGGCAGCCCATGAT
 GAACAGAAAAAGCTGGCAGCATCGCAGATCGAGAAACAGCGGCAGCAAATGGACCTTGCTCGCCAACAGC
 AAGAACAGATCGCAAGACAACAGCAGCAACTTCTACAGCAGCAGACAAGATTAATCTCCTCGACAAACA
 GATCCAGGTTCCAGGGCACATGCCTCCGCTCATGATCCCAATTTTCCACATGACCAGCGGACCTTGGCA
 GCAGCTGCTGCTGCCAACAGGGATTCTCTTCCCCCTGGAAATAACATAACAAGCCAGGTGATAACTACC
 CCGTACAGTTCATTCCGTCAACAATGGCAGCTGCTGCTGCTTCTGGACTCAGCCCTTACAGCTTCAGAA
 GGGTCAATGTTCCACCCACAAATTAACCAAGGCTAAAGGGCATAAGTGACCGTTTTGGCAGGAATTTG
 GACCCCTCTGAACATGGTGGTGGCCACTTTACAACCACAGACAGATTGAGCAGCTCTATGCCGCTCAGC
 TGCCACGATGCAGGTGCACCTGGAGCAAAGATGCCATCAACTCCACAGCCACCAAATCGGCAGGGGC
 AGTCTCACCTACTGGGATAAAAAATGAAAAGAGAGGGACCAGCCCTGTAACCTCAAGTTAAGGATGAAACA
 ACAGCCCAGCCGCTGAATCTCTCATCCCGCCTAAGACAGCAGAGCCTGTGAAGTCCCAACATCTCCCA
 CCCAGAACCTTCTCCAGCCAGCAAAACAGCCCTGTCAACCTGCCAAACAAAAGCAGCATCCCCAGCCC
 CATTGGAGGAAGCCTGGGGAGAGGATCCTCTAGATATACTATCCAGTCTCAACTCTCCTGCCCTGTTT
 GGGGACCAGGACACAGTATGAAAGCCATTGAGGAGGCTCGGAAGATGCGAGAACAGATCCAGCGGGAGC
 AACACAGCAGCCACACGGAGTTGATGGGAACTGTCTCCATGAACAACATGGGCTGAGCAACTGCAG
 GACTGAGAAGGAAAGAACAGCTTTGAGAACCTGGTCCCAATTAACAGGAAAGTCAAGTGAAGATGGA
 AACTGGGCCCGGTGTCATCGATCTCACTCGCCAGAGGACGCAGAAGGAAGCAAGCAATGAATGGCT
 CTGACGCTAAACTACAGCAGTATTATTGTTGGCCAACAGGAGGCCCACTGTGGCTGAAGCCCGTGTCTA
 CAGGGATGCCCGCGCCGTGCCAGCAGCAACCCACATCAAGCGACCAATGAATGCGTTTATGTTTGG
 GCAAAGGACGAAAGGAGGAAAAATTTCCAGGCCTTCCCTGACATGCATAACTCCAACATTAGCAAAATCT
 TAGGATCTCGCTGGAAATCCATGTCCAACCAGGAGAAGCAACCTTACTATGAAGAACAGGCCCGGCTAAG
 CAAATCCACCTAGAGAAGTACCAAACTACAAGTACAAACCCCGGCCGAAGCGCACATGCATCGTGGAT
 GGCAAGAAGCTCCGATTGGGGAGTACAAGCAACTGATGCGCTCGGAAGGCAGGAGATGCGACAGTTCT
 TCACTGTGGGCAACAGCCTCAGATGCCATCACCACAGGAACAGGTGTTGTGTATCCTGGTGCTATTAC
 TATGGCAACGACCACACCATCACCTCAGATGACATCTGACTGCTCTAGCACCTTGCCAGCCCCGAGCCC
 AGCCTCCCTGTATCCAGAGCAGTATGGTATGAAGATGGACGGCGCAAGCCTGGCTGGGAACGACATGA
 TTAATGGAGAGGATGAAATGGAAGCCTATGACGACTACGAAGATGATCCCAAATCAGACTATAGCAGCGA
 GAATGAGGCCCCAGAGCCTGTCAGTGCCAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001277326
Insert Size: 2484 bp

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| 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_001277326.1, NP_001264255.1</u> |
| RefSeq Size: | 8662 bp |
| RefSeq ORF: | 2484 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 (4) differs in the 5' UTR, compared to variant 1. Both variants 1 and 4 encode the same 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> |