

Product datasheet for **MC221865**

Sox6 (NM_011445) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Sox6 (NM_011445) 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: >MC221865 representing NM_011445
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTTCCAAGCAAGCCACCTCTCCATTTGCCTGTACAGCGGATGGAGAGGAAGCAATGACCCAGGACT
 TGACCTCAAGGGAAAAGGAAGAGGGCAGTGATCAACACCCGGCCTCCCATCTGCCTCTGCACCCATAAT
 GCACAACAAACCTCACTCTGAGGAGCTGCCTACACTTGTCACTACCATTCAACAAGATGCTGACTGGGAC
 AGCGTTTGTCTATCTCAGCAAAGAATGGAGTCAAGAAATAAAGTTATGTTCCCTATATTCCTCCGAA
 ATACGTCTACCTCACCACATAAGCCTGACGAAGGGAGTCGGGAGCGTAAATAATGAACAGTGTTACTTT
 TGGAACCCCGGAACGCCGAAAGGGAGCCTTGCCGATGTGGTGGATACGCTGAAGCAGAAGAAGCTGGAG
 GAGATGACTCGGACAGAACAAGAGGATTCCTCCTGCATGGAAAACTACTTTCAAAGATTGGAAGGAAA
 AAATGGAAGACTAAATACGAGTGAACCTTTGGAGAAAACAAAGGTACACCTGAGAGCCTTGACAGAA
 AGAACGGCAACTCTCCACATGATTACCCAGCTGATCAGCTTGGGGAGCAGCTCCTGGCAGCCCATGAT
 GAACAGAAAAAGCTGGCAGCATCGCAGATCGAGAAACAGCGGCAGCAAATGGACCTTGCTCGCCAACAGC
 AAGAACAGATCGCAAGACAACAGCAGCAACTTCTACAGCAGCAGCACAAGATTAATCTCCTCGACAAACA
 GATCCAGGTTTCAGGGGCACATGCCTCCGCTCATGATCCCAATTTTTCCACATGACCAGCGGACCTTGGCA
 GCAGCTGCTGCTGCCAACAGGGATTCTCTTCCCCCTGGAAATAACATAACAAGCCAGGTGATAACTACC
 CCGTACAGTTCATTCCGTCAACAATGGCAGCTGCTGCTGCTTCTGGACTCAGCCCTTACAGCTTCAGAA
 GGGTCAATGTTCCACCCACAAATTAACCAAGGCTAAAGGGCATAAGTGACCGTTTTGGCAGGAATTTG
 GACCCCTCTGAACATGGTGGTGGCCACTTTACAACCACAGACAGATTGAGCAGCTCTATGCCGCTCAGC
 TGGCCAGCATGCAGGTGCACCTGGAGCAAAGATGCCATCAACTCCACAGCCACCAAATCGCCAGGGGC
 AGTCTCACCTACTGGGATAAAAAATGAAAAGAGAGGGACCAGCCCTGTAACCTCAAGTTAAGGATGAAACA
 ACAGCCCAGCCGCTGAATCTCTCATCCCGCCTAAGACAGCAGAGCCTGTGAAGTCCCAACATCTCCCA
 CCCAGAACCTTCTCCAGCCAGCAAAACCAGCCCTGTCAACCTGCCAAACAAAAGCAGCATCCCCAGCCC
 CATTGGAGGAAGCCTGGGGAGAGGATCCTCTTAGATATACTATCCAGTCTCAACTCTCCTGCCCTGTTT
 GGGGACCAGGACACAGTGTAAAGCCATTGAGGAGGCTCGGAAGATGCGAGAACAGATCCAGCGGGAGC
 AACACAGCAGCCACACGGAGTTGATGGGAACTGTCTCCATGAACAACATGGGCTGAGCAACTGCAG
 GACTGAGAAGGAAAGAACAGCTTTGAGAACCTGGTCCCAATTAACAGGAAAGTCAAGTGAAGATGGA
 AAATGGGCCCGGTGTATCGATCTCACTCGCCAGAGGACGCAGAAGGAAGCAAGCAATGAATGGCT
 CTGAGCTAAACTACAGCAGTATTATTGTTGGCCAACAGGAGGCCACTGTGGCTGAAGCCCGTGTCTA
 CAGGGATGCCCGCGCCGTGCCAGCAGCAACCCACATCAAGCGACCAATGAATGCGTTTATGTTTGG
 GCAAAGGACGAAAGGAGGAAAAATTTCCAGGCCTTCCCTGACATGCATAACTCCAACATTAGCAAAATCT
 TAGGATCTCGCTGGAAATCCATGTCCAACCAGGAGAAGCAACCTTACTATGAAGAACAGGCCCGGCTAAG
 CAAAATCCACCTAGAGAAGTACCAAACTACAAGTACAAACCCCGGCCGAAGCGCACATGCATCGTGGAT
 GGCAAGAAGCTCCGATTGGGGAGTACAAGCAACTGATGCGCTCGGAAGGCAGGAGATGCGACAGTTCT
 TCACTGTGGGCAACAGCCTCAGATGCCATCACCACAGGAACAGGTGTTGTGTATCCTGGTGCTATTAC
 TATGGCAACGACCACACCATCACCTCAGATGACATCTGACTGCTTAGCACCTTGCCAGCCCCGAGCCC
 AGCCTCCCTGTATCCAGAGCAGTATGGTATGAAGATGGACGGCGCAAGCCTGGCTGGGAACGACATGA
 TTAATGGAGAGGATGAAATGGAAGCCTATGACGACTACGAAGATGATCCCAAATCAGACTATAGCAGCGA
 GAATGAGGCCCCAGAGCCTGTCAGTGCCAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1632_f08.zip

Restriction Sites: SgfI-MluI

ACCN: NM_011445

Insert Size: 2484 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_011445.3](#), [NP_035575.1](#)

RefSeq Size: 8227 bp

RefSeq ORF: 2484 bp

Locus ID: 20679

UniProt ID: [P40645](#)

Cytogenetics: 7 61.29 cM

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]

Transcript Variant: This variant (1) encodes the longest isoform (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.