

## Product datasheet for **MC209433**

### Sox17 (NM\_011441) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Sox17 (NM\_011441) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Sox17  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Fully Sequenced ORF: >MC227603 representing NM\_001289464  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCAGCCCGGATGCGGGATACGCCAGTGACGACCAGAGCCAGCCCCGGAGCGCGCAGCCCGCGGTGA  
 TGGCAGGGTTGGGCCCTGTCCCTGGGCCGAGTCCCTGAGCCCCCTCGGGGATGTAAAGGTGAAAGGCGA  
 GGTGGTGGCGAGTAGCGGGGCGCCAGCCGGGACGTCGGGCCGAGCCAAAGCGGAGTCTCGCATCCGGCGG  
 CCGATGAACGCCCTTTATGGTGTGGGCCAAAGACGAACGCAAGCGGTTGGCACAGCAGAACCAGATCTGC  
 ACAACGCAGAGCTAAGCAAGATGCTAGGCAAGTCTTGAAGGCGTTGACCTTGGCAGAGAAGCGGCCCTT  
 CGTGGAAGAGGCCGAGCGCTGCGCGTGCAGCATATGCAGGACCACCCCACTACAAGTACCGGCCGCGG  
 CGGCGCAAGCAGGTGAAGCGCATGAAGCGGTGGAGGGAGGCTTCTGACGCTCTCGTCGAGCCCCAGG  
 CCGGCGCGCTTGGTCCCAGGGCGGCCGCGTGGCCATGGATGGCCTGGGTCTGCCTTTCCCGAGCCGGG  
 CTATCCGGCCGCTCCTCCGCTGATGTCTCCGCACATGGGCCCCACTATCGGGACTGCCAGGGACTGGGC  
 GCTCCCAGCGCTCGACGGTACCCTCTGCCACTCCGGACACATCCCCGCTGGATGGCGTGGAGCAGGACC  
 CGGCTTTCTTTGAGCCCCGCTGCCAGGGGACTGCCCGGCCGCGCCACCTACACTTACGCTCCAGTCTC  
 GACTATGCAGTGTCCGTAGAGCCGCCGCTGGCCCCATGCGAGTGGGGCCGACCCCTCGGGCCCTGCC  
 ATGCCGGGATCCTGGCGCCCCCAGCGCTCTGCACCTGTACTACGGCGGATGGGCTCGCCCGCCGCAA  
 GTGCGGGGCGCGGTTTCCACGCGCAACCCAGCAGCCGCTGCAACCGCAGGACCCGCCCGCCACCCGCA  
 GCAGCAGCACCCAGCGCACGGCCCCGGCAACCTTCGCCCTCCCGAGGCTCTGCCCTGCCGGGATGGC  
 ACGGAATCCAACCCAGCCACTGAGCTCCTAGGGGAGGTGGACCGCACGGAATTCGAACAGTATCTGCCCT  
 TTGTGTATAAGCCCGAGATGGGTCTTCCCTACCAGGGACACGACTGCGGAGTGAACCTCTCAGACAGCCA  
 CGGAGCCATTTCTCCGTGGTGTCCGACGCTAGCTCAGCGGTCTACTATTGCAACTACCCCGACATT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja1217\\_a07.zip](https://cdn.origene.com/chromatograms/ja1217_a07.zip)



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_011441
<b>Insert Size:</b>	1260 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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_011441.4</a> , <a href="#">NP_035571.1</a>
<b>RefSeq Size:</b>	3130 bp
<b>RefSeq ORF:</b>	1260 bp
<b>Locus ID:</b>	20671
<b>UniProt ID:</b>	<a href="#">Q61473</a>
<b>Cytogenetics:</b>	1 1.65 cM

**Gene Summary:**

This gene encodes a member of the Sox (Sry-related high mobility group box) family of transcription factors involved in the regulation of embryonic development. The encoded protein plays a role in the determination of cell fate and in maintaining cell identity. This gene regulates tumor angiogenesis and tumor progression. Mutations in the human gene are associated with vesicoureteral reflux, characterized by the backward flow of urine from the bladder into the ureters or the kidney. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a, also known as Sox17; PMID 8636240). Variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.