

## Product datasheet for **MC227240**

### Sox17 (NM\_001289466) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sox17 (NM\_001289466) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sox17  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227240 representing NM\_001289466  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGTCACCTCATGGATACAATGAGCAGCACCTCCAGACATCTGAATTTCCAGCCTTCCTATTTCCCAAGA  
 GGTCCTTGGCGCCAGCGCCCGCTCCAGCCAGTTTTCCCAAGGCAAGTCTTGAAGGCGTTGACCTTGGC  
 AGAGAAGCGGCCCTTCGTGGAAGAGGCGGAGCGGCTGCGGTGCAGCATATGCAGGACCACCCAACTAC  
 AAGTACCGGCCGCGCGCAAGCAGGTGAAGCGCATGAAGCGGTGGAGGGAGGCTTCCTGCAGGCTC  
 TCGTCGAGCCCCAGGCCGCGCTTGGTCCCAGGGCGGCCGCTGGCCATGGATGGCCTGGGTCTGCC  
 TTTCCCGAGCCGGGCTATCCGGCCGCTCCTCCGCTGATGTCTCCGCACATGGGCCCCACTATCGGGAC  
 TGCCAGGGACTGGGCGCTCCCGGCTCGACGGCTACCCTCTGCCACTCCGGACACATCCCGCTGGATG  
 GCGTGGAGCAGGACCCGGCTTTCTTTCAGCCCCGCTGCCAGGGGACTGCCCGCGCGCCGACCTACAC  
 TTACGCTCCAGTCTCGGACTATGCAGTGTCCGTAGAGCCCGCTGGCCCCATGCGAGTGGGCGCGGAC  
 CCCTCGGCCCTGCGATGCCGGGATCCTGGCGCCCCAGCGCTCTGCACCTGTACTACGGCGGATGG  
 GCTCGCCCGCGCAAGTGCAGGGCGGTTCCACGCGCAACCCAGCAGCGCTGCAACCGCAGGCACC  
 GCCCGCCACCCGAGCAGCAGCACCCAGCGCACGGCCCCGGGAACCTTCGCCCCCTCCCGAGGCTCTG  
 CCCTGCCGGGATGGCACGGAATCAACCCAGCCACTGAGCTCCTAGGGGAGGTGGACCGCACGGAATTCG  
 AACAGTATCTGCCCTTTGTGATAAGCCCGAGATGGGTCTTCCCTACCAGGGACACGACTGCGGAGTGAA  
 CCTCTCAGACAGCCAGGAGCCATTTCTCCGTGGTGTCCGACGCTAGCTCAGCGGTCTACTATTGCAAC  
 TACCCCGACATT**TGA**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001289466  
**Insert Size:** 1065 bp



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<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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u>NM_001289466.1, NP_001276395.1</u>
<b>RefSeq Size:</b>	2960 bp
<b>RefSeq ORF:</b>	1065 bp
<b>Locus ID:</b>	20671
<b>Cytogenetics:</b>	1 1.65 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at an alternate start codon compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than isoform a. Variants 3 and 4 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.</p>