

Product datasheet for **MC227603**

Sox17 (NM_001289464) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Sox17 (NM_001289464) 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**

ATGAGCAGCCCGGATGCGGGATACGCCAGTGACGACCAGCCAGCCCGGAGCGCGCAGCCCGCGGTGA
 TGGCAGGGTTGGGCCCTGTCCCTGGGCCGAGTCCCTGAGCCCCCTCGGGGATGTAAAGGTGAAAGGCGA
 GGTGGTGGCGAGTAGCGGGGCGCCAGCCGGGACGTCGGGCCGAGCCAAAGCGGAGTCTCGCATCCGGCGG
 CCGATGAACGCCCTTTATGGTGTGGGCCAAAGACGAACGCAAGCGGTTGGCACAGCAGAACCAGATCTGC
 ACAACGCAGACTAAGCAAGATGCTAGGCAAGTCTTGAAGGCGTTGACCTTGGCAGAGAAGCGGCCCTT
 CGTGGAAGAGGCCGAGCGGCTGCGCGTGACGATATGCAGGACCACCCAACTACAAGTACCGGCCGCGG
 CGGCGCAAGCAGGTGAAGCGCATGAAGCGGTTGGAGGGAGGCTTCTGTCAGCTCTCGTCGAGCCCCAGG
 CCGGCCGCTTGGTCCCAGGGCGGCCGCTGGCCATGGATGGCCTGGGTCTGCCTTTCCCGAGCCGGG
 CTATCCGGCCGCTCCTCCGCTGATGTCTCCGCACATGGGCCCCACTATCGGGACTGCCAGGGACTGGGC
 GCTCCCGCGCTCGACGGTACCCTCTGCCACTCCGGACACATCCCGCTGGATGGCGTGGAGCAGGACC
 CGGCTTTCTTTGAGCCCGCTGCCAGGGGACTGCCCGGCCGCGCACCTACACTTACGCTCCAGTCTC
 GGACTATGCAGTGTCCGTAGAGCCCGCCGCTGGCCCCATGCGAGTGGGGCCGACCCCTCGGGCCCTGCC
 ATGCCGGGATCCTGGCGCCCCCAGCGCTCTGCACCTGTACTACGGCGGATGGGCTCGCCCGCCGCAA
 GTGCGGGGCGCGGTTTCCACGCGCAACCCAGCAGCCGCTGCAACCGCAGGCACCCGCCGCCACCGCA
 GCAGCAGCACCCAGCGCACGGCCCCGGCAACCTTCGCCCTCCCGAGGCTCTGCCCTGCCGGGATGGC
 ACGGAATCCAACCAGCCACTGAGCTCCTAGGGGAGGTGGACCGCACGGAATTCGAACAGTATCTGCCCT
 TTGTGTATAAGCCCGAGATGGGTCTTCCCTACCAGGGACAGACTGCGGAGTGAACCTCTCAGACAGCCA
 CGGAGCCATTTCCGTGGTGTCCGACGCTAGCTCAGCGGTCTACTATTGCAACTACCCCGACATT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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| | |
|-------------------------------|---|
| ACCN: | NM_001289464 |
| Insert Size: | 1260 bp |
| 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_001289464.1</u> , <u>NP_001276393.1</u> |
| RefSeq Size: | 3288 bp |
| RefSeq ORF: | 1260 bp |
| Locus ID: | 20671 |
| UniProt ID: | <u>Q61473</u> |
| Cytogenetics: | 1 1.65 cM |
| Gene Summary: | <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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein (isoform a, also known as Sox17; PMID 8636240).</p> |