

Product datasheet for MC227239

Sox17 (NM_001289465) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sox17 (NM_001289465) 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: >MC227239 representing NM_001289465
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCACCTCATGGATACAATGAGCAGCACCTCCAGACATCTGAATTTCCAGCCTTCCTATTTCCCAAGA
 GGTCTTGGCGCCAGCGCCCGCTCCAGCCAGTTTTCCCAAGGCAAGTCTTGAAGGCGTTGACCTTGGC
 AGAGAAGCGGCCCTTCGTGGAAGAGGCGGAGCGGCTGCGGTGCAGCATATGCAGGACCACCCAACTAC
 AAGTACCGGCCGCGCGCAAGCAGGTGAAGCGCATGAAGCGGTGGAGGGAGGCTTCCTGCAGGCTC
 TCGTCGAGCCCCAGGCCGCGCTTGGTCCCAGGGCGGCCGCTGGCCATGGATGGCCTGGGTCTGCC
 TTTCCCGAGCCGGGCTATCCGGCCGCTCCTCCGCTGATGTCTCCGCACATGGGCCCCACTATCGGGAC
 TGCCAGGGACTGGGCGCTCCCGGCTCGACGGCTACCCTCTGCCACTCCGGACACATCCCGCTGGATG
 GCGTGGAGCAGGACCCGGCTTTCTTTCAGCCCCGCTGCCAGGGGACTGCCCGCGCGCCGGCACCTACAC
 TTACGCTCCAGTCTCGGACTATGCAGTGTCCGTAGAGCCGCCGCTGGCCCCATGCGAGTGGGGCCGGAC
 CCCTCGGCCCTGCGATGCCGGGATCCTGGCGCCCCCAGCGCTCTGCACCTGTACTACGGCGGATGG
 GCTCGCCCGCGCAAGTGCAGGGCGGGTTCCACGCGCAACCCAGCAGCGCTGCAACCGCAGGCACC
 GCCCGCCACCCGAGCAGCAGCACCCAGCGCACGGCCCCGGGCAACCTTCGCCCCCTCCGAGGCTCTG
 CCCTGCCGGGATGGCACGGAATCAACCCAGCCACTGAGCTCCTAGGGGAGGTGGACCGCACGGAATTCG
 AACAGTATCTGCCCTTTGTGATAAGCCCGAGATGGGTCTTCCCTACCAGGGACACGACTGCGGAGTGAA
 CCTCTCAGACAGCCACGGAGCCATTTCTCCGTGGTGTCCGACGCTAGCTCAGCGGTCTACTATTGCAAC
 TACCCCGACATTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289465
Insert Size: 1065 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_001289465.1</u> , <u>NP_001276394.1</u>
RefSeq Size:	3704 bp
RefSeq ORF:	1065 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 (3) 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: 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>