

## Product datasheet for MR229451

### Sox17 (NM\_001289466) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sox17 (NM_001289466) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sox17
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229451 representing NM_001289466 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCACCTCATGGATACAATGAGCAGCACCTCCAGACATCTGAATTTCCAGCCTTCCTATTTCCCAAGA  
GGTCTTGGCGCCAGCGCCGGCTCCAGCCAGTTTTCCCAAGGCAAGTCTTGAAGGCGTTGACCTTGGC  
AGAGAAGCGGCCCTTCGTGGAAGAGGCCGAGCGGCTGCGGTGCAGCATATGCAGGACCACCCCACTAC  
AAGTACCGGCCGCGCGCAAGCAGGTGAAGCGCATGAAGCGGTGGAGGGAGGCTTCCTGCACGCTC  
TCGTGAGCCCCAGGCCGCGCTTGGTCCCAGGGCGGCCGCTGGCCATGGATGGCCTGGGTCTGCC  
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TGCCAGGGACTGGGCGCTCCCGCTCGACGGCTACCCTCTGCCACTCCGGACACATCCCGCTGGATG  
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TTACGCTCCAGTCTCGACTATGCAGTGTCCGTAGAGCCCGCCGCTGGCCCCATGCGAGTGGGGCCGGAC  
CCCTCGGGCCCTGCGATGCCGGGATCCTGGCGCCCCAGCGCTCTGCACCTGTACTACGGCGCATGG  
GCTCGCCCGCGCAAGTGCAGGGCGCGGTTCCACGCGCAACCCAGCAGCCGCTGCAACCGCAGGCACC  
GCCCGCCACCGCAGCAGCAGCACCCAGCGCACGGCCCCGGGCAACCTTCGCCCCCTCCGAGGCTCTG  
CCCTGCCGGGATGGCACGGAATCAACCCAGCCACTGAGCTCCTAGGGGAGGTGGACCGCACGGAATTCG  
AACAGTATCTGCCCTTTGTGATAAGCCCGAGATGGGTCTTCCCTACCAGGGACACGACTGCGGAGTGAA  
CCTCTCAGACAGCCAGGAGCCATTTCTCCGTGGTGTCCGACGCTAGCTCAGCGGTCTACTATTGCAAC  
TACCCCGACATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229451 representing NM\_001289466  
Red=Cloning site Green=Tags(s)

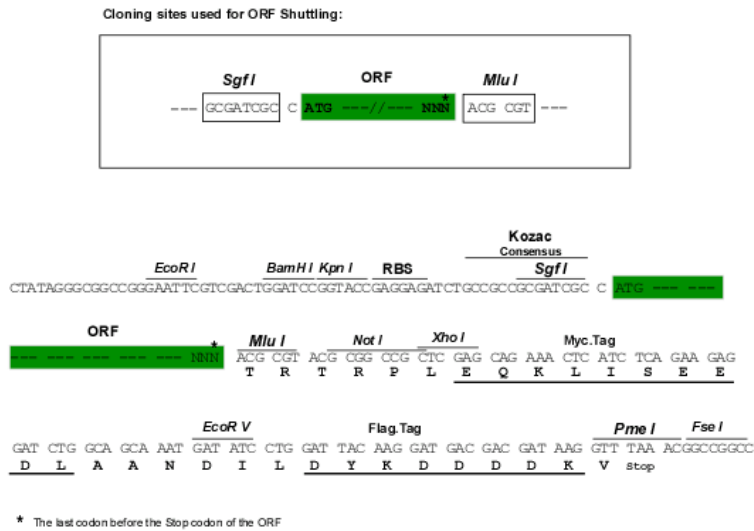
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 CQGLGAPALDGYLPTPDTSPLDGVEQDPAFFAAFLPGDCPAAGTYTYAPVSDYAVSVEPPAGPMRVGPD  
 PSGPAMPGILAPPSALHLYYGAMGSPAASAGRGFHAQPQQPLQPQAPPPPPQQQHPAHGPGQPSPPPEAL  
 PCRDGTESNQPTTELLGEVDRTEFEQYLPFYYPKPEMGLPYQGHDCGVNLSDSHGAISSVSDASSAVYYCN  
 YPDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

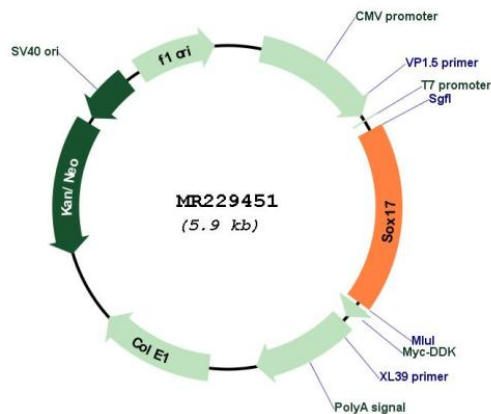
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001289466

<b>ORF Size:</b>	1062 bp
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001289466.1</a> , <a href="#">NP_001276395.1</a>
<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>MW:</b>	38.7 kDa
<b>Gene Summary:</b>	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]