

Product datasheet for **MR229046**

Sox17 (NM_001289467) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sox17 (NM_001289467) 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: >MR229046 representing NM_001289467
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCAGGACCACCCCACTACAAGTACCGGCCGGCGGCGCAAGCAGGTGAAGCGCATGAAGCGGGTGG
AGGGAGGCTTCTGCACGCTCTCGTCGAGCCCCAGGCCGGCGCGTTGGTCCCAGGGCGGCCCGCTGGC
CATGGATGGCCTGGGTCTGCCTTCCCGGAGCCGGCTATCCGGCCGGTCTCCGCTGATGTCTCCGCAC
ATGGGCCCCCACTATCGGGACTGCCAGGGACTGGGCGCTCCCGCGCTCGACGGCTACCCTCTGCCCACTC
CGGACACATCCCCGCTGGATGGCGTGGAGCAGGACCCGGCTTTCTTTGCAGCCCCGCTGCCAGGGGACTG
CCCGGCCGGCCGACCTACACTTACGCTCCAGTCTCGACTATGCAGTGTCCGTAGAGCCGCCCGCTGGC
CCCATGCGAGTGGGGCCGACCCCTCGGGCCCTGCGATGCCGGGGATCCTGGCGCCCCCAGCGCTCTGC
ACCTGTACTACGGCGCATGGGCTCGCCCCGCCAAGTGCGGGGCGGGTTCCACGCGCAACCCAGCA
GCCGCTGCAACCGCAGGCACCGCCGCCACCAGCAGCAGCACCCAGCGCACGGCCCCGGCAACCT
TCGCCCCCTCCCAGGCTCTGCCCTGCCGGATGGCACGGAATCCAACCAGCCACTGAGCTCCTAGGGG
AGGTGGACCGCACGGAATTCGAACAGTATCTGCCCTTTGTGTATAAGCCCGAGATGGGTCTCCCTACCA
GGGACACGACTGCGGAGTGAACCTCTCAGACAGCCACGGACCATTTCTCCGTGGTGTCCGACGCTAGC
TCAGCGGTCTACTATTGCAACTACCCCGACATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229046 representing NM_001289467
 Red=Cloning site Green=Tags(s)

MQDHPNYKYP RRRKQVKRMKRVEGGFLHALVEPQAGALGPEGGRVAMDGLGLPFPEPGYPAGPPLMSPH
 MGPHYRDCQGLGAPALDGYP LPTPDT SPLDGEQDPAFFAAPLPGDCPAAGTYTYAPVSDYAVSVEPPAG
 PMRVGPDPSG PAMP GILAPPSALHL YYGAMGSPAASAGRGFHAQPQQPLQFQAPPPPPQQQHPAHGPGQP
 SPPPEALPCRDGTESNQPT ELLGEVDRTEFEQYLPFVYKPEMGLPYQGHDCGVNLSDSHGAISSVSDAS
 SAVYYCNYPDI

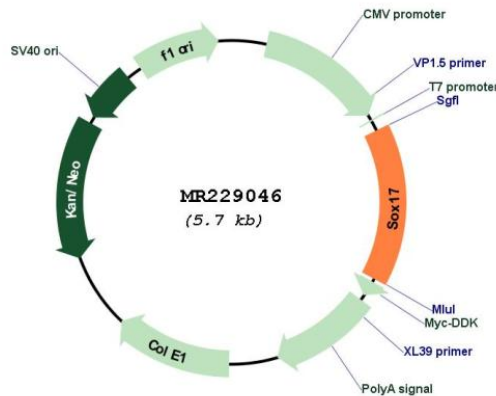
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001289467

ORF Size:	873 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001289467.1 , NP_001276396.1
RefSeq Size:	2897 bp
RefSeq ORF:	876 bp
Locus ID:	20671
UniProt ID:	Q61473
Cytogenetics:	1 1.65 cM
MW:	31.2 kDa
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]