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Product datasheet for MC209433

Sox17 (NM_011441) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox17 (NM_011441) 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 GCCGCGATCGCC ATGAGCAGCCCGGATGCGGGATACGCCAGTGACGACCAGAGCCAGCCCCGGAGCGCGCAGCCCGCGGTGA TGGCAGGGTTGGGCCCCTGTCCCTGGGCCGAGTCCCTGAGCCCCCTCGGGGATGTAAAGGTGAAAGGCGA GGTGGTGGCGAGTAGCGGGGCGCCAGCCGGGACGTCGGGCCGAGCCAAAGCGGAGTCTCGCATCCGGCGG CCGATGAACGCCTTTATGGTGTGGGCCAAAGACGAACGCAAGCGGTTGGCACAGCAGAACCCAGATCTGC ACAACGCAGAGCTAAGCAAGATGCTAGGCAAGTCTTGGAAGGCGTTGACCTTGGCAGAGAAGCGGCCCTT CGTGGAAGAGGCCGAGCGGCTGCGCGTGCAGCATATGCAGGACCACCCCAACTACAAGTACCGGCCGCGG CGGCGCAAGCAGGTGAAGCGCATGAAGCGGGTGGAGGGAGGCTTCCTGCACGCTCTCGTCGAGCCCCAGG CCGGCGCGCTTGGTCCCGAGGGCGGCCGCGTGGCCATGGATGGCCTGGGTCTGCCTTTCCCGGAGCCGGG CTATCCGGCCGGTCCTCCGCTGATGTCTCCGCACATGGGCCCCCACTATCGGGACTGCCAGGGACTGGGC GCTCCCGCGCTCGACGGCTACCCTCTGCCCACTCCGGACACATCCCCGCTGGATGGCGTGGAGCAGGACC CGGCTTTCTTTGCAGCCCCGCTGCCAGGGGACTGCCCGGCGGCCGGCACCTACACTTACGCTCCAGTCTC GGACTATGCAGTGTCCGTAGAGCCGCCCGCTGGCCCCATGCGAGTGGGGCCGGACCCCTCGGGCCCTGCG ATGCCGGGGATCCTGGCGCCCCCCAGCGCTCTGCACCTGTACTACGGCGCGATGGGCTCGCCCGCCGCAA GTGCGGGGCGCGGTTTCCACGCGCAACCCCAGCAGCCGCTGCAACCGCAGGCACCGCCGCCGCCACCGCA GCAGCAGCACCCAGCGCACGGCCCCGGGCAACCTTCGCCCCCTCCCGAGGCTCTGCCCTGCCGGGATGGC ACGGAATCCAACCAGCCCACTGAGCTCCTAGGGGAGGTGGACCGCACGGAATTCGAACAGTATCTGCCCT TTGTGTATAAGCCCGAGATGGGTCTTCCCTACCAGGGACACGACTGCGGAGTGAACCTCTCAGACAGCCA CGGAGCCATTTCCTCCGTGGTGTCCGACGCTAGCTCAGCGGTCTACTATTGCAACTACCCCGACATTTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Chromatograms:	https://cdn.origene.com/chromatograms/ja1217_a07.zip

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Restriction Sites:	SgfI-MluI
ACCN:	NM_011441
Insert Size:	1260 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_011441.4, NP_035571.1
RefSeq Size:	3130 bp
RefSeq ORF:	1260 bp
Locus ID:	20671
UniProt ID:	Q61473
Cytogenetics:	1 1.65 cM

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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a, also known as Sox17; PMID 8636240). Variants 1 and 2 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.