

Product datasheet for **MG222810**

Sox17 (NM_011441) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox17 (NM_011441) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sox17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222810 representing NM_011441 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGAGCAGCCCGGATGCGGGATACGCCAGTGACGACCAGAGCCAGCCCCGGAGCGCGCAGCCCGCGGTGA
TGGCAGGGTTGGGCCCTGTCCCTGGGCCGAGTCCCTGAGCCCCCTCGGGGATGTAAAGGTGAAAGGCGA
GGTGGTGGCGAGTAGCGGGGCGCCAGCCGGGACGTCGGGCCGAGCCAAAGCGGAGTCTCGCATCCGGCGG
CCGATGAACGCCCTTTATGGTGTGGGCCAAAGACGAACGCAAGCGGTTGGCACAGCAGAACCAGATCTGC
ACAACGCAGAGCTAAGCAAGATGCTAGGCAAGTCTTGAAGCGGTTGACCTTGGCAGAGAAGCGGCCCTT
CGTGGAAGAGGCCGAGCGGCTGCGCGTGCAGCATATGCAGGACCACCCCACTACAAGTACCGGCCGCGG
CGGCGCAAGCAGGTGAAGCGCATGAAGCGGTTGGAGGGAGGCTTCTGTCAGCTCTCGTCGAGCCCCAGG
CCGGCGCGCTTGGTCCCAGGGCGGCCGCGTGGCCATGGATGGCCTGGGTCTGCCTTTCCCGAGCCGGG
CTATCCGGCCGGTCTCCGCTGATGTCTCCGCACATGGGCCCCACTATCGGGACTGCCAGGGACTGGGC
GCTCCCAGCTCGACGGTACCCTCTGCCACTCCGGACACATCCCCTGGATGGCGTGGAGCAGGACC
CGGCTTTCTTTGAGCCCCGCTGCCAGGGGACTGCCCGGCCGGCCACCTACACTTACGCTCCAGTCTC
GGACTATGCAGTGTCCGTAGAGCCGCCGCTGGCCCCATGCGAGTGGGGCCGACCCCTCGGGCCCTGCC
ATGCCGGGATCCTGGCGCCCCAGCGCTCTGCACCTGTACTACGGCGGATGGGCTCGCCCGCCGCAA
GTGCGGGGCGCGGTTTCCACGCGCAACCCAGCAGCCGCTGCAACCGCAGGCACCCGCCGCCACCGCA
GCAGCAGCACCCAGCGCACGGCCCCGGCAACCTTCGCCCTCCCGAGGCTCTGCCCTGCCGGGATGGC
ACGGAATCCAACCCAGCCACTGAGCTCCTAGGGGAGGTGGACCGCACGGAATTCGAACAGTATCTGCCCT
TTGTGTATAAGCCGAGATGGGTCTTCCCTACCAGGGACAGACTGCGGAGTGAACCTCTCAGACAGCCA
CGGAGCCATTTCTCCGTGGTGTCCGACGCTAGCTCAGCGGTCTACTATTGCAACTACCCCGACATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222810 representing NM_011441
Red=Cloning site Green=Tags(s)

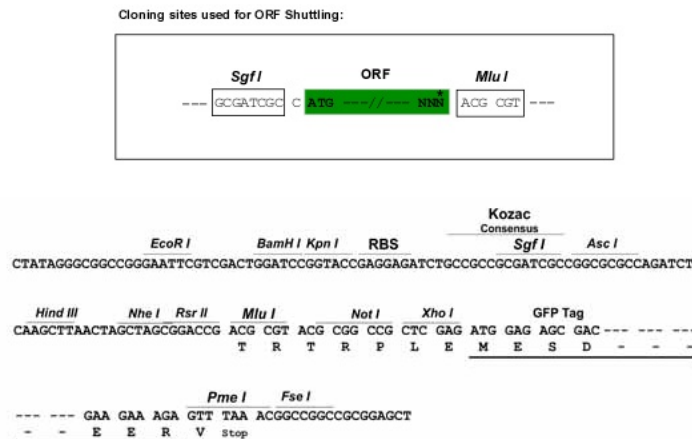
MSSPDAGYASDDQSQPRSAQPAVMAGLGPCWAEESL SPLGDVKVKGEVVASSGAPAGTSGRAKAESRIRR
 PMNAFMVWAKDERKRLAQNPDLHNAEL SKMLGKSWKAL TLAEKRPFVEEAERLRVQHMQDHPNYKYRPR
 RRRKQVKRMKRVEGGFLHALVEPQAGALGPEGGRVAMDGLGLPFPEPGYPAGPPLMSPHMGPHYRDCQGLG
 APALDGYPLPTPDT SPLDGVEQDPAFFAAPLPGDCPAAGTYTYAPVSDYAVSVEPPAGPMRVGPDPSGPA
 MPGILAPPSALHLYYGAMGSPAASAGRGFHAQPQPLQPQAPPPPPQQQHPAHGPGQPSPPPEALPCRDG
 TESNQPTTELLGEVDRTEFEQYLPFVYKPEMGLPYQGHDCGVNLSDSHGAISSVVS DASSAVYYCNYPDI

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1758_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011441

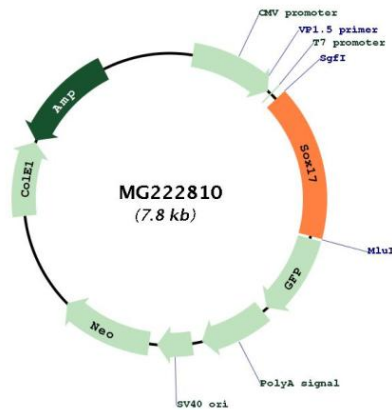
ORF Size: 1257 bp

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](#)

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_011441.5
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]

Product images:



Circular map for MG222810