

Product datasheet for **MG223739**

Sox1 (NM_009233) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sox1 (NM_009233) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Sox1
Synonyms: BB176347; Sox-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223739 representing NM_009233
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTACAGCATGATGATGGAGACCGACCTGCACTCGCCCGGGCGGCCAGGCGCCACGAACCTCTCGG
 GCCCGGCCGGGGCGGGCGGGGGCGGGTGGGGCGGGGGCGGGCGGGCGGGGGCCACCAAGGCCAA
 CCAGGATCGGGTCAAGCGGCCATGAACGCCTTCATGGTGTGGTCCCGGGACAGCGGCCAAGATGGCC
 CAGGAAAACCCCAAGATGCACAACCTCGGAGATCAGCAAGCGCCTCGGGCCGAGTGAAGGTCATGTCCG
 AGGCCGAGAAGCGGCCGTTTCATCGACGAGGCCAAGAGACTGCGCGCGCTGCACATGAAGGAACCCCGGA
 TTACAAGTACCGCCCGCCGCAAGACCAAGACGCTGCTCAAGAAGGACAAGTACTCGCTGGCCGGCGGG
 CTGCTAGCGGCCGGCGGGTGGCGGGCGGGCGGGCGGGTGGCCATGGGTGTGGGCGTGGGCGTGGGGCGG
 CGGCGGTGGGCCAGCGCTTGAGAGCCAGGCGGGCGGGCGGGAGGAGGTACGCGCATGTCAACGGCTG
 GGCTAACGGCGCCTACCCCGGCTCGGTGGCCGGCGGGTGGCGCCGCGGCCATGATGCAGGAGGCACAG
 CTGGCCTACGGGCAGCACCCAGGCGGGCGGGCGGCACCCGCACGCACACCCGGCGCACCCGCACCCGC
 ACCATCCGCACGCGCATCCTCACAACCCGAGCCCATGCACCGTACGACATGGGCGCGTGCAGTACAG
 CCCCATCTCCAACCTCAGGGCTACATGAGCGCGTCCCTTCGGGCTACGGCGGCATCCCTACGGCGCC
 CGGGCCCGCCCGCCGCTGCGGGCGGGCGGCACCAAGAACTCGGCGGTGGCGGAGCGGCAGCCGCGCC
 CAGCCCGCTCGTGGGGGCCCTGGGCGCCCTCGGATCTCTGGTCAAGTCCGAGCCGAGCGGCAGTCCGCC
 GGCCCCGGCTCACTACGGGCACCGTGTCCCGGGACCTGCGCGAGATGATCAGCATGTACCTGCCCGCC
 GGCGAGGGTGGGACCCGGCGGGCAGCGGTGCGGGCGCCAAAGCCGGTGCCTGCTGCCACAGC
 ACTACCAGGGCGGGCGGGCGGGTCAACGGCACGGTGCCCTGACGCACATC

ACCGTACGGCGCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223739 representing NM_009233
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MYSMMMETDLHSPGGAQAPTNLSPGAGAGGGGGGGGGGGGGTKANQDRVKRPMNAFMVWSRGQRKMA
 QENPKMHNSEISKRLGAEWKVMSEAEKRPFIDEAKRLRALHMKEHPDYKYRPRRKTLLKDKYSLAGG
 LLAAGAGGGGAAVAMGVGVGAAAVGQRLESPGGAAGGGYAHVNGWANGAYPGSVAAAAAAMMQEAQ
 LAYGQHPGAGGAHPHAHPAHPHPHPHAHPHPNPQPMHRYDMGALQYSPISNSQGYMSASPSGYGGIPYGA
 AAAAAAAGGAHQNSAVAAAAAASSGALGALGSLVKSEPSGSPAPAHSRAPCPGDLREMISMYLPA
 GEGGDPAAAAAQAQSRHLHSLPQHYQGAGAGVNGTVPLTHI

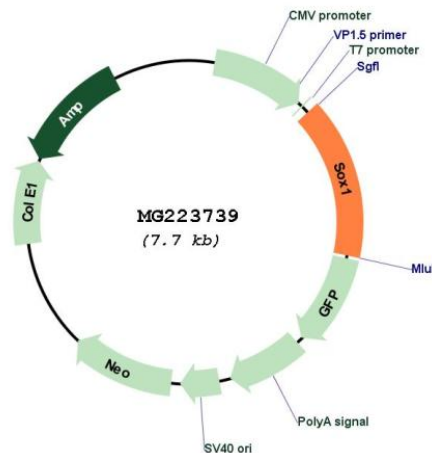
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009233

ORF Size:	1173 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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_009233.3 , NP_033259.2
RefSeq Size:	4037 bp
RefSeq ORF:	1176 bp
Locus ID:	20664
UniProt ID:	P53783
Cytogenetics:	8 5.73 cM
Gene Summary:	Transcriptional activator. May function as a switch in neuronal development. Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation (By similarity).[UniProtKB/Swiss-Prot Function]