

## Product datasheet for MC209429

### Sox1 (NM\_009233) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sox1 (NM_009233) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sox1
Synonyms:	BB176347; Sox-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209429 representing NM_009233 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTACAGCATGATGATGGAGACCGACCTGCACTCGCCCGGGCGGCCAGGCGCCACGAACCTCTCGG  
GCCCGGCCGGGGCGGGCGGGGGCGGGTGGGGCGGGGGCGGGCGGGCGGGCGGGGGCACCAAGGCCAA  
CCAGGATCGGGTCAAGCGGCCATGAACGCCTTCATGGTGTGGTCCCAGGACAGCGGCCAAGATGGCC  
CAGGAAAACCCCAAGATGCACAACCTCGGAGATCAGCAAGCGCCTCGGGCCGAGTGAAGGTCATGTCCG  
AGGCCGAGAAGCGCCGTTTCATCGACGAGGCCAAGAGACTGCGCGCGCTGCACATGAAGGAACCCCGGA  
TTACAAGTACCGCCCGCCGCAAGACCAAGACGCTGCTCAAGAAGGACAAGTACTCGCTGGCCGGCGGG  
CTGCTAGCGGCCGGCGGGTGGCGGGCGGGCGGGCGGGTGGCCATGGGTGTGGCGTGGCGTGGGGCGG  
CGGCGGTGGGCCAGCGCTTGAGAGCCAGGCGGGCGGGCGGGAGGAGGTACGCGCATGTCAACGGCTG  
GGCTAACGGCGCCTACCCCGGCTCGGTGGCCGGCGGGTGGCGCCGCGGCCATGATGCAGGAGGCACAG  
CTGGCCTACGGGCAGCACCCAGGCGGGCGGGCGGCACCCGCACGCACCCGGCGCACCCGCACCCGC  
ACCATCCGACGCGCATCCTCACAACCCGAGCCCATGCACCGTACGACATGGGCGCGTGCAGTACAG  
CCCCATCTCCAACCTCAGGGCTACATGAGCGCGTCCCTTCGGGCTACGGCGGCATCCCTACGGCGCC  
CGGGCCCGCCCGCCGCTGCGGGCGGGCGGCACCAAGAACTCGGCGGTGGCGGCAGCGGACCGCGCC  
CAGCCGCGTCTCGGGGGCCCTGGGCGCCCTCGGATCTCTGGTCAAGTCCGAGCCGAGCGGCAGTCCGCC  
GGCCCCGGCTCACTACGGGCACCGTGTCCCGGGACCTGCGCGAGATGATCAGCATGTACCTGCCCGCC  
GGCGAGGGTGGGACCCGGCGGGCAGCGGTGCGGGCGCCAAAGCCGGTGCCTCGCTGCCACAGC  
ACTACCAGGGCGGGCGGGCGGTCAACGGCACGGTGCCCTGACGCACATC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Chromatograms:</b>	<a href="https://cdn.origene.com/chromatograms/ja1811_a12.zip">https://cdn.origene.com/chromatograms/ja1811_a12.zip</a>
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_009233
<b>Insert Size:</b>	1176 bp
<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a></p>
<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_009233.3</a> , <a href="#">NP_033259.2</a>
<b>RefSeq Size:</b>	4037 bp
<b>RefSeq ORF:</b>	1176 bp
<b>Locus ID:</b>	20664
<b>UniProt ID:</b>	<a href="#">P53783</a>
<b>Cytogenetics:</b>	8 5.73 cM
<b>Gene Summary:</b>	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]