

## Product datasheet for **SC321884**

### SOX9 (NM\_000346) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SOX9 (NM_000346) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOX9
Synonyms:	CMD1; CMPD1; SRA1; SRXX2; SRXY10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_000346.2  
 ATCGTCGACCCACGCGTCCGAAGCGGAGCTCGAACTGACTGGAACTTCAGTGGCGCGG  
 AGACTCGCCAGTTTCAACCCCGGAACTTTTCTTTGCAGGAGGAGAAGAGAAGGGGTGCA  
 AGCGCCCCCACTTTTGCTCTTTTCTCCCTCCTCCTCCTCCTCAATTCGCCTCCCCC  
 ACTTGGAGCGGGCAGCTGGAACGGCCACCCCGCCTTCTAAGTGTGCGCCGGTA  
 GCCGGCCGACGCGCCAGCTTCCCCGGGAGCCGCTTGTCCGCATCCGGGCAGCCGAGGG  
 AGAGGAGCCCGCCTCGAGTCCCCGAGCCCGCGGCTTCTCGCCTTTCCCGGCCACA  
 GCCCCTGCCCGGGCCCGGTATGAATCTCTGGACCCCTTATGAAGATGACCGACGA  
 GCAGGAGAAGGGCTGTCCGGCGCCCCAGCCCCACCATGTCCGAGGACTCCGCGGGCTC  
 GCCCTGCCGTCGGGCTCCGGCTCGGACACCGAGAACACGCGGCCCCAGGAGAACACGTT  
 CCCCAAGGGCAGCCGATCTGAAGAAGGAGAGCGAGGAGACAAGTTCCCCGTGTGCAT  
 CCGCGAGGCGGTGAGCCAGGTGCTCAAAGGCTACGACTGGACGCTGGTGGCCATGCCGT  
 GCGCGTCAACGGCTCCAGCAAGAACAAGCCGACGTCAGCGGCCATGAACGCCTTCAT  
 GGTGTGGGCGCAGGCGGCGCAGGAAGCTCGCGGACAGTACCCGCACTTGACAAACGC  
 CGAGCTCAGCAAGACGCTGGCAAGCTCTGGAGACTTCTGAACGAGAGCGAGAAGCGGCC  
 TTTCGTGGAGGAGCGGAGCGGCTGCGCGTGCAGCACAAGAAGGACCACCCGATTACAA  
 GTACCAGCCGCGCGGAGGAAGTCGGTGAAGAACGGGCAGGCGGAGGCAGAGGAGCCAC  
 GGAGCAGACGCACATCTCCCCAACGCCATTTCAAGGCGTGCAGGCCGACTCGCCACA  
 CTCCTCTCCGGCATGAGCGAGGTGCACTCCCCCGGCGAGCACTCGGGCAATCCAGGG  
 CCCACCGACCCACCCACCCCAAAACCGAGTGCAGCCGGGCAAGGCTGACCTGAA  
 GCGAGAGGGGCGCCCTTGCCAGAGGGGGCAGACAGCCCTATCGACTTCCGCGACGT  
 GGACATCGGCGAGCTGAGCAGCGACGTCATCTCAACATCGAGACCTTCGATGTCAACGA  
 GTTTGACCAGTACCTGCCGCCAACCGGCCACCCGGGGTCCCGGCCACGCAGCCAGT  
 CACCTACACGGGAGCTACGGCATCAGCAGCACCGCGGCCACCCCGGCGAGCGGGGCA  
 CGTGTGGATGTCCAAGCAGCAGGCGCGCGCCACCCCGCAGCAGCCCCACAGCCCC  
 GCCGGCCCGCAGGCGCCCCGAGCCGAGGCGGCCCCACAGCAGCCGGCGGCACC  
 CCCGCGAGGCCACAGGCGCACACGCTGACCACGCTGAGCAGCGAGCCGGGCCAGTCCCA  
 GCGAACGCACATCAAGACGGAGCAGCTGAGCCCCAGCCACTACAGCGAGCAGCAGCA  
 CTCGCCCCAACAGATCGCTACAGCCCTTCAACCTCCACACTACAGCCCTCTACCC  
 GCCCATCACCCGCTCACAGTACGACTACACCGACCACCAGAACTCCAGCTCTACTACAG  
 CCACGCGGAGGCGAGGCGACCGGCTCTACTCCACCTTACCTACATGAACCCCGTCA  
 GCGCCCATGTACACCCCATCGCCGACACCTCTGGGGTCCCTTCCATCCCGCAGACCCA  
 CAGCCCCCAGCACTGGGAACAACCCGTCTACACACAGCTCACTCGACCTTGAGGAGGCT  
 CCCACGAAGGGCGAAGATGGCCGAGATGATCCTAAAAATAACCGAAGAAAGAGAGACCA  
 ACCAGAATTCCCTTTGGACATTTGTGTTTTTTGTTTTTTATTTTGTGTTTTTTCT  
 TCTTCTTCTTCTCTTAAAGACATTTAAGCTAAAGGCAACTCGTACCCAAATTTCCAAG  
 ACACAAACATGACCTATCCAAGCGCATTACCCACTTGTGGCCAATCAGTGGCCAGGCCAA  
 CCTTGGCTAAATGGAGCAGCGAAATCAACGAGAAACTGGACTTTTTAAACCTCTTCAGA  
 GCAAGCGTGGAGGATGATGGAGAATCGTGTGATCAGTGTGCTAAATCTCTCGCTGTTT  
 GGACTTTGTAATTATTTTTTTAGCAGTAATTAAGAAAAAAGTCCCTCTGTGAGGAATATT  
 CTCTATTTTAAATATTTTTAGTATGTAAGTGTGATGATTACCATTTTGGAGGGATT  
 TATACATATTTTTAGATAAAATTAATGCTCTTATTTTTCCAACAGCTAAACTACTCTTA  
 GTTGAACAGTGTGCCCTAGCTTTTCTTGCAACCAGAGTATTTTTGTACAGATTTGCTTTC  
 TCTTACAAA  
 AA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_000346  
**Insert Size:** 1530 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	no
<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u><a href="#">NM_000346.2</a></u> , <u><a href="#">NP_000337.1</a></u>
<b>RefSeq Size:</b>	3935 bp
<b>RefSeq ORF:</b>	1530 bp
<b>Locus ID:</b>	6662
<b>UniProt ID:</b>	<u><a href="#">P48436</a></u>
<b>Cytogenetics:</b>	17q24.3
<b>Domains:</b>	HMG
<b>Protein Families:</b>	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors
<b>Gene Summary:</b>	The protein encoded by this gene recognizes the sequence CCTTGAG along with other members of the HMG-box class DNA-binding proteins. It acts during chondrocyte differentiation and, with steroidogenic factor 1, regulates transcription of the anti-Muellerian hormone (AMH) gene. Deficiencies lead to the skeletal malformation syndrome campomelic dysplasia, frequently with sex reversal. [provided by RefSeq, Jul 2008]