

## Product datasheet for **SC303713**

### SOX1 (NM\_005986) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SOX1 (NM_005986) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOX1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;OriGene sequence for NM_005986 edited</p> <pre> ATGTACAGCATGATGATGGAGACCGACCTGCACTCGCCCGGGCGGCCAGGCCCCACG AACCTCTCGGGCCCCGCCGGGGCGGGCGGGCGGGGGCGGAGGGGGGGCGGGCGGGC GGCGGGGGCGCCAAGGCCAACCCAGGACCGGGTCAAACGGCCCATGAACGCCTTCATGGT TGGTCCCAGCGGGCAGCGCGCAAGATGGCCCAGGAGAACCCTCAAGATGCAACAACCTCGGAG ATCAGCAAGCGCCTGGGGCCGAGTGGAAGTCATGTCCGAGGCCGAGAAGCGGCCGTTTC ATCGACGAGGCCAAGCGGCTGCGCGCGCTGCACATGAAGGAGCACCCGGATTACAAGTAC CGGCCGCGCCGCAAGACCAAGACGCTGCTCAAGAAGGACAAGTACTCGCTGGCCGGCGGG CTCCTGGCGGGCGGGCGGGTGGCGGGCGGGCGGCTGTGGCCATGGGCGTGGGCGTGGGCG GTGGGCGGGCGGGCGGGTGGGCCAGCGCCTGGAGAGCCCAGGGCGGGCGGGCGGGCGGGC TACGCGCACGTCAACGGCTGGGCCAACGGCGCCTACCCCGGCTCGGTGGCGGGCGGGCGGGC GCGGCCGCGGCCATGATGCAGGAGGCGCAGCTGGCCTACGGGCAGCACCCGGGCGCGGGC GGCGCGCACCCGACGCGCACCCCGCGCACCCGACCCGACCCGACCCGACCCGACCGCGCACCCG CACAAACCCGACGCCATGCACCGCTACGACATGGGCGCGCTGCAGTACAGCCCCATCTCC AACTCGCAGGGTACATGAGCGCGTCCGCTCGGGCTACGGCGGCTCCCTACGGCGCC GCGGCCGCGCCGCGCCGCTGCGGGCGGGCGCGCACCAAGAACTCGGCCGTGGCGGGCGGG GCGGGCGGGCGGGCGGGTGGTGGGGCGCCCTGGGCGCGCTGGGCTCTTGGTGAAGTCG GAGCCCAGCGGCAGCCCCCGCCAGCGCACTCGGGGCGCCGTGCCCGGGGACCTG CGCGAGATGATCAGCATGTAATTGCCCGCGGGCAGGGGGGCGACCCGGCGGGCGGACGCA GGGCCGCGGGCGAGAGCCGGTCACTCGCTGCCGCGAGCACTACCAGGGCGGGCGGGCGGG GGCGTGAACGGCACGGTGGCCCTGACGCACATCTAG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_005986
Insert Size:	1200 bp



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<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>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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_005986.2</a> , <a href="#">NP_005977.2</a>
<b>RefSeq Size:</b>	4108 bp
<b>RefSeq ORF:</b>	1176 bp
<b>Locus ID:</b>	6656
<b>UniProt ID:</b>	<a href="#">O00570</a>
<b>Cytogenetics:</b>	13q34
<b>Protein Families:</b>	Adult stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane
<b>Gene Summary:</b>	This intronless gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. In mice, a similar protein regulates the gamma-crystallin genes and is essential for lens development. [provided by RefSeq, Jul 2008]