

## Product datasheet for **SC108393**

### SOX14 (NM\_004189) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SOX14 (NM_004189) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOX14
Synonyms:	SOX28
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004189, the custom clone sequence may differ by one or more nucleotides

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ATGTCCAAACCTTCAGACCACATCAAGCGGCCCATGAACGCCTTCATGGTATGGTCCCAGGGCCAGCGGC
GCAAGATGGCCCAGGAAAACCCCAAGATGCACAACCTCGGAGATCAGCAAACGCCTAGGTGCCGAATGGAA
GCTTCTGTCCGAGGCAGAGAAGCGGCCATACATCGATGAAGCCAAGCGGCTACGCGCCCAGCACATGAAG
GAGCACCTGACTACAAGTACCGACCTCGGCGCAAGCCCAAGAACCTGCTCAAGAAGGACAGGTATGTCT
TCCCCTTGCCCTACCTGGGCGACACGGACCCGCTCAAGGCGGCTGGCCTGCCCGTGGGGCCCTCCGACGG
CCTCCTGAGCGCGCCCGAGAAAGCCCGGCCTTCTTCCGCGCGCCTCGGCGCCCTACTCCCTGCTGGAC
CCCAGCAGTTTAGCTCGAGCGCCATCCAGAAGATGGGCGAAGTGCCCCACACCTTGGCTACCGGCCTC
TGCCCTACGCGTCCACCCTGGGCTACCAGAACGGCGCCTTCGGCAGCCTCAGCTGCCCCAGCCAGCACAC
GCACACGCACCCGTCCCCACCAACCCTGGCTACGTGGTGGCCTGTAAGTGTACCGCCTGGTCTGCCTCC
ACCCTGCAGCCCCCGTCCGCTACATCCTCTTCCAGGCATGACCAAGACTGGCATAGACCTTATTTCGT
CAGCCCACGCTACGGCCATGTAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_004189 unedited NNTTGTCAAATTTGTAACGACTCACTATAGGCGGCCGCGATTTCGGCACCAGNATCAGC TGAACCTTTGTGGGGTCAGCGCTTCTCTCTGGCTTCCCCTCAGCGGCGCCAAGGCGAGGGG AGCGCAGAACCCCGGCTCAGGACGGACAGACAGACGGCCAGCCGCGCCAGGCTCGTCTG CAGAACCTTTGCACTCCCTACCCCAACCCACCTAGCCGCCGGGACCATGTCCAAACCTTC AGACCACATCAAGCGGCCATGAACGCCTTCATGGTATGGTCCCAGGGCCAGCGGCGCAA GATGGCCAGGAAAACCCCAAGATGCACAACCTCGGAGATCAGCAAACGCCTAGGTGCCGA ATGGAAGCTTCTGTCCGAGGCAGAGAAGCGGCCATACATCGATGAAGCCAAGCGGTACG CGCCAGCACATGAAGGAGCACCTGACTACAAGTACCGACCTCGGCGCAAGCCCAAGAA CCTGCTCAAGAAGGACAGGTATGTCTTCCCCTTGCCTACCTGGGCGACACGGACCCGCT CAAGGCGGCTGGCTGCCGTGGGGCCCTCCGACGGCCTCCTGAGCGCGCCGAGAAAGC CCGGGCTTCTTGCCGCCGGCTCGGCGCCCTACTCCCTGCTGGACCCCGCGCAGTTTAG CTCGAGCGCCATCCAGAAGATGGGCGAAGTGCCCCACACCTTGGTACCGCGCTCTGCC CTACGCGTCCACCCTGGGCTACCAGAACGGCGCCTTCNGCAGCCTCAGCTGCCCCAGCCA GCACACGCACACGCCCGTCCNCCACCAACCCTGGCTACGTGGTGCCCTGGTACTGTAC CGCCTGGTCTGGCTCCANCTGCAGCCCCCGTGCCTACATCCTTTCCAGCATGAC CAAGACTGGCATAGACCTTNATTCGTCAGCCAC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004189
<b>Insert Size:</b>	2000 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>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_004189.2</a> , <a href="#">NP_004180.1</a>
<b>RefSeq Size:</b>	818 bp
<b>RefSeq ORF:</b>	723 bp
<b>Locus ID:</b>	8403
<b>UniProt ID:</b>	<a href="#">O95416</a>
<b>Cytogenetics:</b>	3q22.3
<b>Domains:</b>	HMG
<b>Protein Families:</b>	Transcription Factors

**Gene Summary:**

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 regulator after forming a protein complex with other proteins. Mutations in this gene are suggested to be responsible for the limb defects associated with blepharophimosis, ptosis, epicanthus inversus syndrome (BPES) and Mobius syndrome. [provided by RefSeq, Jul 2008]