

## Product datasheet for **SC113502**

### SOX18 (NM\_018419) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SOX18 (NM_018419) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOX18
Synonyms:	HLTRS; HLTS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018419, the custom clone sequence may differ by one or more nucleotides

```
ATGCAGAGATCGCCGCCGGCTACGGCGCACAGGACGACCCGCCGCCGCCGCGACTGTGCATGGGCCC  
CGGGACACGGGGCCGCCGCTGACACGCGCGGCCTCGCCGCCGCCGCCGCCCTCGCCGCGCCGCCGC  
GCCCGCTCGCCGCCAGCCCGCAGCGCAGTCCCCGCGCAGCCCGAGCCGGGGCGCTATGGCCTCAGC  
CCGGCCGGCCCGGGGAACGCCAGGCGGCAGACGAGTCGCGCATCCGGCGGCCCATGAACGCCTTCATGG  
TGTGGGCAAAGGACGAGCGCAAGCGGCTGGCTCAGCAGAACCCGGACCTGCACAACGCGGTGCTCAGCAA  
GATGCTGGGCAAAGCGTGAAGGAGCTGAACGCGCGGAGAAGCGGCCCTTCGTGGAGGAAGCCGAACGG  
CTGCGCGTGCAGCACTTGCAGCACCACCCAACTACAAGTACCGCCGCCGCAAGAAGCAGGCGCGCA  
AGGCCCGCGGGCTGGAGCCCGGCCTCCTGCTCCCGGATTAGCGCCCGCAGCCACCGCCGAGCCTTT  
CCCCGCGGCTCTGGCTCGGCTCGCGCCTTCCGCGAGCTGCCCGCGCTGGGCGCCGAGTTCGACGGCCTG  
GGGCTGCCACGCCCCGAGCGCTCGCCTCTGGACGGCTGGAGCCCGGCGAGGCTGCCTTCTCCACCCGC  
CCGCGGCGCCGAGGACTGCGCGCTGCGGCCCTCCGCGCGCCCTACGCGCCACCGAGTTGTCGCGGGA  
CCCCGCGGTTGCTACGGGGCTCCCCTGGCGGAGGCGCTCAGGACCGCGCCCCCGCGGCGCCGCTCGCT  
GGCCTGTACTACGGCACCTGGGACGCCCCGCCCGTACCCCGGCCCGCTGTGCGCCGCGCCCGAGGCC  
CGCCGCTGGAGAGCGCCGAGCCGCTGGGCCCCGCCCGCATCTGTGGGCCGACGTGGACCTACCCGAGTT  
CGACCACTCAACTGCAGCCGACTCGGCCGACGCCCCCGGCTCCCGTACCACGTGGCACTGGCC  
AACTGGGCCCGCGCCATGTCTGCCAGAGGAGAGCAGCCTGATCTCCGCGTGTGCGACGCCAGCA  
GCGCGTCTATTACAGCGCTGCATCTCCGGCTAG
```



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_018419 unedited</p> <pre> NGGGGGGGTGGGGGGNNAATTTTTATNAAATAAATCCTTTCACCCGCCGTTGNC GCAAAGGGCGGTAGGCGTGTCCGGTGGGNAGTCTATATAAGCAGAGCTCATTTAGGTGAC ACTATAGAATAACAAGCTACTTGTCTTTTTGCAGCGGCCGGAATTCGGCACGAGGGCCC TCCCGGCTGGCTGCCCTTGCGCCGGCTCCCCAGTGCCCGCCGCCCGCCGCCGCGCT CCCGCGCTCCGTTCCGCCAGGCCGCCAGCTGGAATGCAGAGATCGCCGCCGGGTA CGGCGCACAGGACGCCCGCCGCCGCGACTGTGCATGGGCCCGGGACACGGGGC CGCCGCTGACACGCGCGGCTCGCCGCCGCCGCCGCCCTCGCCGCGCCGCCGCCGCGC CGCTCGCCGCCAGCCGCGAGCGAGTCCCCGCGAGCCCGAGCCGGGGCGCTATGG CCTCAGCCCGGCCGCCGCCGGAACGCCAGGCGGACGAGTCCGCGCATCCGGCGGCC CATGAACGCTTTCATGGTGTGGCAAAGGACGAGCGCAAGCGGCTGGCTCAGCAGAACCC GGACCTGCACAACGCGGTGCTCAGCAAGATGCTGGCAAAGCGTGAAGGAGCTGAACGC GGCGGAGAAGCGGCCCTTCGTGGAGGAAGCCGACGGCTCGCGTGCAGCACTTGCGCGA CCACCCAACTACAAGTACCGGCCGCCGCAAGAAGCAAGCCGCAAGGCCCGGCCG GCTGAAGCCCGGCTTCTGCTTCCGGGAATTACGCCCGCCGACCCGCCCGGAGC CCTTTCGCCGCGCGCCTTGGCTCCGGCTCGCGCTTCCGCGAGCCTGCCCGCTGGG CGCAATTTGACCCGCTGGGGGCTGCCACCCCGAACCT </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_018419 unedited</p> <pre> GGTGAGTTTTTAAACCTTTTTTTTAAATAAAAAATTAATTTTTTGTATTAGGTATATT TTTTAAAGGGCAAAGTAAAAATTAATAACAATCTGGTTGTAGAAAATACACTGCAAGA AAAGGAGCAGGTCTTCAAAAATGTAACCCTGGCAACTTGCCAACAGGTCTGGGCTCG GGTTCCTGGATAAGCCCGGGACACGTGGAACTCCAGGCACCCTCGCAGGGGCCCC GAGGGCAGGTGGCCATAAGCCCATGAAGGGTGGCCTGGGAGGTGAACGGGCGCAAGGC CGAGCATCACTGGCTCCTAGGGGCTGTGACATGGAACCAACATACACGCGTATGATAG AGCAGAGCGGCAGCGACGCGGTCCGATCGGTCCGGGGGCTGCGGGAGGAAGCGCTGCAG GGACCCGGGCGGCCGCCGCGGCTAGCCGGAGATGCACGCGTGTAAATAGACCGGCTGC TGGCGTCCGACAGCGGGAGATCAGGCTGCTCCTCTGGGCAGGACATGGCGCGGGG CCAGTTTGGCCAGTGCCACGTGGTACGGGAGCCCGGTGGCGTCCGGCCGAGTCCGGCTGC AGTTGANGTACTGGTCGAACTCGGTGAGGTCCACGTGCGCCACAGATCGGCGGGGGCC CCAGCGTCTCGGCGCTCTCCATCGGCGGGGCTCGGGCGGCGGACAGCGGCCCGGGTA CGGCCCGTGGTGCAGGTGCCGTATTACAGGCCANCGAGCGGCCCGCCCGGGGCGGTC CTGAGCGCCTCCAGGGGAGCCGTTATCACCCCGGGTCCCGCAAACCTCGGTGGCC CTAAGGCCCC </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_018419
<b>Insert Size:</b>	1750 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_018419.2</a> , <a href="#">NP_060889.1</a>
<b>RefSeq Size:</b>	1718 bp
<b>RefSeq ORF:</b>	1155 bp
<b>Locus ID:</b>	54345
<b>UniProt ID:</b>	<a href="#">P35713</a>
<b>Cytogenetics:</b>	20q13.33
<b>Domains:</b>	HMG
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	This 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. This protein plays a role in hair, blood vessel, and lymphatic vessel development. Mutations in this gene have been associated with recessive and dominant forms of hypotrichosis-lymphedema-telangiectasia. [provided by RefSeq, Jul 2008]