

## Product datasheet for **SC107402**

### SOX7 (NM\_031439) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SOX7 (NM_031439) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOX7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_031439, the custom clone sequence may differ by one or more nucleotides

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ATGGCTTCGCTGCTGGGAGCCTACCCTTGGCCCCAGGGTCTCGAGTGCCCCGGCCCTGGACGCCGAGCTGT
CGGATGGACAATCGCCGCGCGCCGTCCCCCGGCCCGGGGGACAAGGGCTCCGAGAGCCGTATCCGGCG
GCCCATGAACGCCTTCATGGTTTGGGCCAAGGACGAGAGGAAACGGCTGGCAGTGCAGAACCCGGACCTG
CACAACGCCGAGCTCAGCAAGATGCTGGGAAAGTCGTGGAAGGCGCTGACGCTGTCCAGAAGAGGCCGT
ACGTGGACGAGGCGGAGCGGCTGCGCCTGCAGCACATGCAGGACTACCCAACTACAAGTACCGGCCGCG
CAGGAAGAAGCAGGCCAAGCGGCTGTGCAAGCGGTGGACCCGGGCTTCTTCTGAGCTCCCTCTCCCGG
GACCAGAACGCCCTGCCGAGAAGAGAAGCGGCAGCCGGGGGGCGCTGGGGGAGAAGGAGGACAGGGGTG
AGTACTCCCCCGCACTGCCCTGCCAGCCTCCGGGGTGTACTACACGAGGGGCCGCTGGTGGTGGCGG
CGGCGGCACCCCGAGCAGTGTGGACACGTACCCGTACGGGCTGCCCACACCTCCTGAAATGTCTCCCTG
GACGTGCTGGAGCCGGAGCAGACCTTCTCTCCTCCCCCTGCCAGGAGGAGCATGGCCATCCCCGCCGCA
TCCCCACCTGCCAGGGCACCCGTACTACCGGAGTACGCCCCAAGCCCTCTCCACTGTAGCCACCCCT
GGGCTCCCTGGCCCTGGCCAGTCCCCCGGCGTCTCCATGATGTCCCTGTACCCGGCTGTCCCCATCT
CCTGCCTATTACTCCCCGGCCACCTACCACCACTCCACTCCAACCTCCAAGCCACCTGGGCCAGCTT
CCCCGCTCCTGAGCACCTGGCTTCGACGCCCTGGATCAACTGAGCCAGGTGAACTCCTGGGGGACAT
GGATCGAATGAATTCGACCAGTATTTGAACACTCCTGGCCACCCAGACTCCGCCACAGGGGCCATGGCC
CTCAGTGGGCATGTTCCGGTCTCCAGGTGACACCAACGGGTCCACAGAGACCAGCCTCATCTCCGTCC
TGCTGATGCCACGGCCAGTACTACAACAGCTACAGTGTGCATAG

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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_031439 unedited</p> <pre> NGCATGTAACACCCCGCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGNGAGTCTA TATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGC GGCCGCGAATTCGGCAGCAGGTGGACGCCCCGACCCGTGCGAGGGCCAGGTCCGCGCCTG CCCCGCCAGGCGAAGCGAGGCGACCCGCGTGGCCATGGCTTCGCTGCTGGGAGCCTAC CCTTGGCCGAGGGTCTCGAGTGCCCGCCCTGGACGCCGAGCTGTCGGATGGACAATCG CCGCCGCGTCCCCCGGCCCGGGGACAAGGGCTCCGAGAGCCGTATCCGGCGGCC ATGAACGCCTTCATGGTTTGGGCCAAGGACGAGAGGAAACGGCTGGCAGTGCAGAACCCG GACCTGCACAACGCCGAGCTCAGCAAGATGCTGGGAAAGTCGTGGAAGGCGCTGACGCTG TCCCAGAAGAGGCGGTACGTGGACGAGGCGGAGCGGCTGCGCCTGCAGCACATGCAGGAC TACCCCAACTACAAGTACCGGCCGCGCAGGAAGAAGCAGGCCAAGCGGCTGTGCAAGCGC GTGGACCCGGGCTTCTTCTGAGCTCCCTCTCCCGGGACCAGAACGCCCTGCCGGAGAAG AGAAGCGCAGCCGGGGGCGCTGGGGGAGAAGGAGGACCAGGGGTGAGTACTCCNCGG CACTGCCCTGCCAACCTCCCGGCTGTACCACAAGGGGCCCGCTGGTGGTGGCGGGC GGCGCACCCAGCAGTGTGGACACCTACCCGTACAGGCTGCCACACTTCCCGAAAGTGT TCGCTTGAAGTGTGGAGCCGGAACAAGACCTTGTGAGTCCCTGCAAGGGGAGGGTGG AGCGTCCCGG </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_031439 unedited</p> <pre> GGGGGGTTACTATGGACCGCGCCGATNCTANGATCGATTTTTTTTTTTTTTTTTTTGAA ATGGAGTTTCACTCTTGTGACAGGCTGGAGTGCAATGGTGCAATCTCAGCTCACTGCA ACCTCCACCTCTAGGTTCAAGACATTCCTGCCTCAGCCTTCCAAGTAGTGGGATTA CAGGATGCACCACCACTCCCAGCAAATTTGTATTTTTCATAGAGACAAGGTTTCACCA TGTTGTCTAGGCTGGTCTCAAATCCTGACCTCAAGTGATCCACATGCCTCGGCCTCCCA AAATGCTGGGATTACCGGCTGCAGCCACCGGGCCCGCCACCATGTGCATATTCCTT TGCACTGTGGCCTAATACACCAATTAATAATTAACAACAAGTCTTAAACTGTATCTT TTAAACAAAACACTTTTAAACCAACCCCTTTCTCCAAATCTAATTACCCCATCCCTTA CATTCCACATCACGCTGACCGGCTTTTCCAAACCGCACAAACCCCTTCAATTTGGTG GCCCTCCACCGGGTCCCACCCCTCACCCACTCCAGCACCGCAGCTGAGACCGC CACAATTAACCTTATCCGCTGCCAACCCCTTATCCCTCCCAATTTCACTCT CCCAATTATCCCTCCCCCACCACCCCGCTCGCCAATCCACCCCTCCAGCAATT GCATATACGACATACCCACCTTATGATTCACCCACACCCCTCCTCCACACGCGCCG AACCACCGGCATTGCGCACTATATCCAAGACGCCGTACTCGTTCAAAACACACACCC CGCCACTTCTCCACCTGCCTCCCAACCCCTCCCAACGCC </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_031439
<b>Insert Size:</b>	2250 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_031439.2</a> , <a href="#">NP_113627.1</a>
<b>RefSeq Size:</b>	3219 bp
<b>RefSeq ORF:</b>	1167 bp
<b>Locus ID:</b>	83595
<b>UniProt ID:</b>	<a href="#">Q9BT81</a>
<b>Cytogenetics:</b>	8p23.1
<b>Domains:</b>	HMG
<b>Protein Families:</b>	ES Cell Differentiation/IPS, Induced pluripotent stem cells, 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. The protein may play a role in tumorigenesis. A similar protein in mice is involved in the regulation of the wingless-type MMTV integration site family (Wnt) pathway. [provided by RefSeq, Jul 2008]