

## Product datasheet for **SC212702**

### SOX2 (NM\_003106) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** SOX2 (NM\_003106) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** SOX2  
**Synonyms:** ANOP3; MCOPS3  
**ACCN:** NM\_003106  
**Insert Size:** 1152 bp  
**Insert Sequence:** >SC212702 3'UTR clone of NM\_003106

The sequence shown below is from the reference sequence of NM\_003106. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AACGGCACACTGCCCTCTCACACATGTGAGGGCCGACAGCGAACTGGAGGGGGAGAAAATTTTCAA
GAAAAACGAGGGAAATGGGAGGGGTGCAAAAGAGGAGAGTAAGAAACAGCATGGAGAAAACCCGGTACG
CTCAAAAAGAAAAAGGAAAAAAAAAATCCCATCACCCACAGCAAATGACAGCTGCAAAAAGAGAACC
AATCCCATCCACACTCACGCAAAAACCGCGATGCCGACAAGAAACTTTTATGAGAGAGATCCTGGACT
TCTTTTTGGGGACTATTTTTGTACAGAGAAAACCTGGGGAGGGTGGGGAGGGCGGGGAAATGGACCTT
GTATAGATCTGGAGGAAAGAAAGCTACGAAAACTTTTTAAAAGTTCTAGTGGTACGGTAGGAGCTTTG
CAGGAAGTTTGAAAAGTCTTTACCAATAATATTTAGAGCTAGTCTCAAGCGACGAAAAAATGTTTT
AATATTTGCAAGCAACTTTGTACAGTATTTATCGAGATAAATATGGCAATCAAATGTCCATTGTTTA
TAAGCTGAGAATTTGCCAATATTTTTCAAGGAGAGGCTTCTTGCTGAATTTTGATTCTGCAGCTGAAAT
TTAGGACAGTTGCAAACGTGAAAAGAAGAAAATTATTCAAATTTGGACATTTAATTGTTTTAAAAATTG
TACAAAAGGAAAAAATTAGAATAAGTACTGGCGAACCATCTCTGTGGTCTTGTTTAAAAAGGGCAAAG
TTTTAGACTGTAATAAATTTTATAAATTTACTGTTAAAAGCAAAAATGGCCATGCAGGTTGACACCGTTG
GTAATTTATAATAGCTTTTGTTCGATCCCAACTTTCCATTTTGTTCAGATAAAAAAACCATGAAATTA
CTGTGTTTGAAATATTTTCTTATGGTTTGAATATTTCTGTAATTTATTTGTGATATTTTAAAGTTTTC
CCCCCTTATTTTCCGTAGTTGTATTTTAAAAGATTCCGGCTCTGTATTATTTGAATCAGTCTGCCGAGA
ATCCATGTATATTTGAACTAATATCATCCTTATAACAGGTACATTTTCAACTTAAGTTTTTACTCCA
TTATGCACAGTTTGAGATAAATAAATTTTTGAAATATGGACACTGAAA
ACGGGTAAAGCGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-Mlul



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<u><a href="#">NM_003106.4</a></u>
<b>Summary:</b>	This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT). [provided by RefSeq, Jul 2008]
<b>Locus ID:</b>	6657
<b>MW:</b>	44.6