

Product datasheet for **SC303866**

SOX30 (NM_007017) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SOX30 (NM_007017) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOX30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC303866 representing NM_007017.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGAGAGCCAGACCCGAGCCGCGCCTCAGCCGCGCCGTTGCGTCCCGCTCCGCCCCGCTGCCG
GTCGAGGGCACCTCCTTTTGGGAGCAGCCATGGAGCCCCCTCGTCTCTCCACACTGAGCGCGGCA
GCCAGTGCAGACCTTGGCCTCGTCTGCGGGGAGGCACTGGCGTCCGGCTTACAGCCCGCGGTGCGGCGG
CTGCTGCAGGTGAAGCCAGAGCAGGTGTTGCTGTACACAGCCTCAGGCCCAGAACGAGGAAGCCGCT
GCCTCGTCCGCGCAGGCGCGGCTGTTGCAGTTCAGGCCGACCTGCGGCTCCTGCAGCCGCGACAGCG
TCAGACGCGGCCACCTCCAGGCCGAGTTGCACCCGGTGAGCCCTGGCGTGCATGTCAAGGCCAAG
AAGCAGAAGCTGGGGCCAGCCTGGATCAGTCAGTGGGGCTCGAGGGGCGTCGAAACCGGTCTAGA
GCCTCCAGGTGGTCAAGTTGGAAGGCCCGGGCCGCGCCTCGGCTACTTCGAGGGGACGAGAAGGGC
AAGCTGGAGGCGGAGGAGGTGATGAGAGACTCGATGCAAGGCGGGGAGGCAAAAGCCCGCAGCCATC
CGAGAAGGTGTGATCAAAACGGAGGAACCCGAGAGACTCCTCGAGGACTGCAGGCTCGGCGCGGAGCCC
GGTCCAATGGCCTGGTTCATGGCAGCGCGGAGGTGATCTTGGCCCCAACGTCCGGTGCCTTTGGGCCG
CACCAGCAAGACCTTAGGATCCCTTTGACGCTCCACACGGTCCCCCTGGGGCCCGGATCCAGTTTCAG
GGAGTCCGCCTTCAGAGCTGATAAGATTGACCAAGGTCCCCCTGACACAGTGCCTACTAAAATGCAG
TCCCTACTGGAGCCTTCTGTAAAAATTGAAACCAAGATGTCCCGCTCACCCTGTTGCCCTCAGATGCA
GGCATACCAGATACTCCCTTCAGTAAGGACAGAAATGGTCATGTGAAGCGACCCATGAACGCATTATG
GTTTGGGCAAGGATCCACCGACAGCACTAGCCAAAGTAACCCAGCAGCAACAATGCAGAAATCAGT
GTCCAGCTTGGTTAGAGTGAACAACTTAGTGAAGAACAAAGAAACCTATTACGATGAAGCACAA
AAGATTAAGGAAAAGCACAGAGAGGAATTCCTGGTTGGGTTTATCAGCCTCGTCCAGGGAAGCGAAAA
CGATTCCCTCTAAGTGTTCCTCAATGATTTTCTGGTACCACAGAAATATCATCTCTACAAATCCTACA
ACAGTTTATCCTTACCGTCCACTACGTACTCTGTGTAATTCACAGCCTACAGAAATCCCATCACTCAT
CCAGTTGTACATGCCCTTACAGTCGGCCTCCCTTTGGCTATGGAATTTTCCGAGTTCAATGCCAGAA
GCCTTAGTTATTATGAAGACAGGTACCCAAACATGAGGGTATCTTTCAACTTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_007017

Insert Size: 1506 bp

OTI Disclaimer: 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: 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).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_007017.2</u>
RefSeq Size:	2787 bp
RefSeq ORF:	1506 bp
Locus ID:	11063
UniProt ID:	<u>O94993</u>
Cytogenetics:	5q33.3
MW:	54.3 kDa
Gene Summary:	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 acts as a transcriptional regulator when present in a complex with other proteins. It can activate p53 transcription to promote tumor cell apoptosis in lung cancer. The protein may be involved in the differentiation of developing male germ cells. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 5. [provided by RefSeq, Apr 2015] Transcript Variant: This variant (2, also known as type II) lacks an exon in the 3' coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (b) is shorter and has a distinct C-terminus, compared to isoform a.