

## Product datasheet for **SC332766**

### **SOX5 (NM\_001261415) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SOX5 (NM_001261415) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOX5
Synonyms:	L-SOX5; L-SOX5B; L-SOX5F; LAMSHF
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC332766 representing NM\_001261415.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCTGTGATGTCTTCCAAGCGACCAGCCTCTCCGTATGGGGAAGCAGATGGAGAGGTAGCCATGGTG
ACAAGCAGACAGAAAGTGAAGAAGAGGAGAGTGACGGGCTCCCAGCCTTTCACCTTCCCTTGCATGTG
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CCACACAACCTCATCTACCTCACCTCAGAAGGCAGAAGAAGGTGGGCGACAGAGTGGCGAGTCCCTGTCT
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GAAATGCGGCAGTACTTCAATGTTGGGCAACAAGCACAGATCCCCATTGCCACTGCTGGTGTGTGTAC
CCTGGAGCCATCGCCATGGCTGGGATGCCCTCCCCTCACCTGCCCTCGGAGCACTCAAGCGTGTCTAGC
AGCCCAGAGCCTGGGATGCCTGTTATCCAGAGCACTTACGGTGTGAAAGGAGAGGAGCCACATATCAAA
GAAGAGATACAGGCCGAGGACATCAATGGAGAAATTTATGATGAGTACGACGAGGAAGAGGATGATCCA
GATGTAGATTATGGGAGTGACAGTGAAAACCATATTGCAGGACAAGCCAACTGA
  
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**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001261415

**Insert Size:** 2262 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).

**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:** [NM\\_001261415.1](#)

**RefSeq Size:** 4357 bp

**RefSeq ORF:** 2262 bp

**Locus ID:** 6660

**UniProt ID:** [P35711](#)

**Cytogenetics:** 12p12.1

**Protein Families:** Transcription Factors

**MW:** 82.8 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 may act as a transcriptional regulator after forming a protein complex with other proteins. The encoded protein may play a role in chondrogenesis. A pseudogene of this gene is located on chromosome 8. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (5) uses an alternate first exon compared to variant 1. The resulting isoform (e) has a shorter and distinct N-terminus compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.