

Product datasheet for **SC314607**

SOX5 (NM_152989) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SOX5 (NM_152989) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOX5
Synonyms:	L-SOX5; L-SOX5B; L-SOX5F; LAMSHF
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_152989, the custom clone sequence may differ by one or more nucleotides

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ATGTCTTCCAAGCGACCAGCCTCTCCGTATGGGGAAGCAGATGGAGAGGTAGCCATGGTG
ACAAGCAGACAGAAAAGTGAAGAAGAGGAGAGTGACGGGCTCCCAGCCTTTCACCTTCCC
TTGCATGTGAGTTTTCCAACAAGCCTCACTCTGAGGAATTTAGCCAGTTTCTCTGCTG
ACGCAAGAGACTTGTGGCCATAGGACTCCCCTCTCAGCACAATACAATGGAAGTTGAT
GGCAATAAAGTTATGTCTTCATTTGCCACACAACACTCATCTACCTCACCTCAGAAGGCA
GAAGAAGGTGGGCGACAGAGTGGCGAGTCTTGCTAGTACAGCCCTGGAACTCCTGAA
CGGCGCAAGGGCAGTTTGTGATGTTGTTGACACCTTGAAGCAGAGAAAATGGAAGAG
CTCATCAAAAACGAGCCGGAAGAAACCCCACTATTGAAAACTACTCTCAAAGGACTGG
AAAGACAAGCTTCTTGAATGGGATCGGGAACTTTGGCGAAAATAAAGGGACTCCCAG
AGCTTAGCTGAGAAAAGGCAACTCATGGGTATGATCAACCAGCTGACCAGCCTCCGA
GAGCAGCTGTTGGCTGCCACGATGAGCAGAAGAACTAGCTGCCTCTCAGATTGAGAAA
CAGCGTCAGCAAATGGAGCTGGCCAAGCAGCAACAAGAACAATGCAAGACAGCAGCAG
CAGCTTCTACAGCAACAACAATAATTTGCTCCAGCAACAGATCCAGGTTCAAGGT
CAGCTGCCGCCATTAATGATTCCCGTATCCCTCCTGATCAACGGACACTGGCTGCAGCT
GCCAGCAAGGATTCTCTCCCTCCAGGCTTCAGCTATAAGGCTGGATGTAGTGACCCT
TACCCTGTTAGCTGATCCCACTACCATGGCAGCTGCTGCCGACGAACACCAGGCTTA
GGCCCACTCCAAGTGCAGCAGTTATGCTGCCAGCTAGCTGCAATGCAGGTATCTCCA
GGAGGGAAAGCTGCCAGGCATACCCCAAGGCAACCTTGGTGTCTGTATCTCCTACCAGC
ATTCACACAGACAAGAGCACAACAGCCACCACCCAAAAGCAAGGATGAAGTGGCAGCAG
CCACTGAACCTATCAGCTAAACCAAGACCTCTGATGGCAAATCACCCACATCACCCACC
TCTCCCATATGCCAGCTCTGAGAATAAACAGTGGGGCAGGCCCTCAAAGCCTCTGTC
CCAGCAGCGTTAGCTAGTCCTTCAGCCAGAGTTAGCACAATAGGTTACTTAAATGACCAT
GATGCTGTACCAAGGCAATCCAAGAAGCTCGGCAATGAAGGAGCAACTCCGACGGGAA
CAACAGGTGCTTATGGGAAAGTGGCTGTTGTGAATAGTCTGGGTCTCAATAACTGCCGA
ACAGAAAAGGAAAAACAACACTGGAGAGTCTGACTCAGCAACTGGCAGTTAAACAGAAT
GAAGAAGGAAAATTTAGCCATGCAATGATGGATTTCAATCTGAGTGGAGATTCTGATGGA
AGTGTGGAGTCTCAGAGTCAAGAATTTATAGGGAATCCCAGGGCGTGGTAGCAATGAA
CCCCACATAAAGCGTCCAATGAATGCCTTCATGGTGTGGGCTAAAGATGAACGGAGAAA
ATCCTTCAAGCCTTTCCTGACATGCACAACCTCAACATCAGCAAGATATTGGGATCTCGC
TGGAAAGCTATGACAAACCTAGAGAAAACAGCCATATTATGAGGAGCAAGCCCGTCTCAGC
AAGCAGCACCTGGAGAAGTACCCTGACTATAAGTACAAGCCCAGGCCAAAGCGCACCTGC
CTGGTGGATGGCAAAAAGCTGCGCATTGGTGAATACAAGGCAATCATGCGCAACAGGCGG
CAGGAAATGCGGCAGTACTTCAATGTTGGGCAACAAGCACAGATCCCCATTGCCACTGCT
GGTGTGTGTACCTGGAGCCATCGCCATGGCTGGGATGCCCTCCCCTCACCTGCCCTCG
GAGCACTCAAGCGTGTCTAGCAGCCCAGAGCCTGGGATGCCTGTTATCCAGAGCACTTAC
GGTGTGAAAGGAGAGGAGCCACATATCAAAGAAGAGATACAGGCCGAGGACATCAATGGA
GAAATTTATGATGAGTACGACGAGGAAGAGGATGATCCAGATGTAGATTATGGGAGTGAC
AGTGAAAACCATATTGCAGGACAAGCCAAC

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Restriction Sites: Please inquire

ACCN: NM_152989

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:	<ol style="list-style-type: none">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_152989.2 , NP_694534.1
RefSeq Size:	4563 bp
RefSeq ORF:	2253 bp
Locus ID:	6660
UniProt ID:	P35711
Cytogenetics:	12p12.1
Domains:	HMG
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (b, also called L-SOX5B) is shorter at the 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.</p>