

Product datasheet for **SC122819**

SOX8 (NM_014587) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SOX8 (NM_014587) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOX8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_014587 edited

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GGCGAGGGTCTGGGGCCACCGCGGGCGACTCGGGTCCCGGAGCGACCGCAGGGCAGCCC
CGGGCGCGGGCCCGGTGCGCGTCTCCTGTGCGCGCCCTCCGCGCGGGCCCGATGCT
GGACATGAGCGAGGCCCGCTCCAGCCGCTGCAGCCGTCCGCGACCGCCAGCTCCAT
GTCGCACGTGGAGGACTCGGACTCGGACGCGCCCGCTCTCCGCGGGCTCCGAGGGCT
GGGCGCGCGGGGGTTCGGGTGGGGGGCGCCGGGGCGACCCGGCGGAGGCGGGGACGA
GCGCTTCCCGGCTGCATCCGCGACGCGGTGTCGAGGTGCTCAAGGGTACGACTGGAG
TCTGGTGCCTATGCCGTGCGCGCGGGCGGGCGGGCGCGCTCAAAGCCAAGCCGATGT
GAAGCGGCCATGAACGCATTATGGTGTGGGCGCAGGCGGGCGCGCCGAAGCTGGCCGA
CCAGTACCCGACCTGCACAACCGCGAGCTCAGCAAGACGCTGGCAAGCTGTGGCGCTT
GCTGAGCGAGAGCGAGAAGCGGCCCTTCGTGGAGGAGGCGAGCGCTTCCGCGTGCAGCA
CAAGAAGGACCACCCCGACTACAAGTACCAGCCACGGCGCAGGAAGAGCGCCAAAGCCGG
CCACAGCGACTCCGACTCGGGCGCGGAGCTGGGACCCACCTGGCGGGGTGCCGTGTA
CAAGGCTGAAGCAGGGCTTGGAGATGGGCACCACCATGGCGACCACAGGGCAGACCCA
CGGGCCGCCACCCCGCCACCACCCCAAGACGGAGCTGCAGCAGGCGGGCGCCAAAGCC
GGAGCTGAAGCTGGAGGGACGCCGGCGGTGGACAGCGGGCGCCAGAATCGACTTCAG
CAACGTGGACATCTCGGAGCTCAGCAGCGAGGTCATGGGCACCATGGACGCCTTCGACGT
CCACGAGTTCGACAGTACCTGCCCTGGGCGGGCCCGCCACCCGAGCCGGGCCAGGC
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CCTGACCAGGCCCTGAGGGCCCAGCCCGGGGAGGGACTCGCAGGCGTCAAGGGGCGAGCC
TTGTCCCGGCCAGTGTGTGTGACCGGGGCGGGAGGGGCCCAAGTGGCTGAGCTCCAAGT
GCCTGCTGAAGTCTGCAGGAAACACGCTTGTGCCCCGTGGCCCTCGGCCCTCCAGATGGC
CACACCTCTGCCGACGACGGACCAGCTCCCTCTCCCTTCTATCTTTTGGAGTGGT

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GGGATTATCCACAAAGAAGGGCTGCCGTTTGGTCCCTCTTCTGTGAGGACTGGCGGCAC
CAGCACCTTCGCTTTGCATCTCGGTAGAGGAGAAACGGCAGCACAGCCAAAGACCAAAG
GAGGGGGTGGCAGGGGCCCTTGCAGGGCGCTGTGAGGTCCAGGCCGGTCTTGGCGCCGAGA
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CCCTGTCCCGACTGTGCCAGTGGTAGGACACATAGGACACAGGAATTCCTGGGTCTT
GCCCATGACTGTGCCATGTGGTAGGACACAGGACACAGGAATTCCTGGAAAGTGGTGGCT
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TGCTTCCCCCGTGTGCTGAGCATAGAGCATACAATAGCGCCTACTTCACGGAAACTTGTG
CCTTTAACTTTGTAAACTTAAACACAGCCGAGAAGTTGCTTCTTTGTACTTTTTCTACT
TTTCTACTTTTTGTAGAAAAAAGATAATGCCTCTGCTTCTATTTCTCTGGGGGTGG
GGGTGGGGGCCGGGAGCCGTCGACAGCCGTTTCATGCAGCGTCTCCCTCGGCACCGCGT
TCGGAGGACGCACCCCTCACTCCCTGCTGCCTTCACTCTTTCTGACCAAGCAACGCTAA
CTTTTGTACAGATCGATTTGATAAAATTAACAAGTGCTTTTTATGAAAAAAAAAAAAA
AAAAAAAAA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_014587 unedited
NCCCGTTTCCAGATTTGTAACGACTCATATAGGGCGGCCGGAATCANATCTGGTACCGG
TCCGGAATTCGGGATATCGTCGACCCACGCGTCCGGGCGAGGGTCGGGGCCACCGCGC
GGCGACTCGGGTCCCGGAGCGACCGCAGGGCAGCCCGGGCGCCGGCCCGGTGCGCGT
CTCCTGTGCGCGCCCTCCGCGCGCGGCCCGATGCTGGACATGAGCGAGGCCCGTCCC
AGCCGCCCTGCAGCCCGTCCGGCACCGCCAGCTCCATGTGCGACGTGGAGGACTCGGACT
CGGACGCGCCCGCTCTCCCGCCGGCTCCGAGGGCCTGGGCCGCGCGGGGTGCGCGTGG
GGGGCGCCGGGGCGACCCGGCGGAGGCGGCGGACGAGCGCTTCCCGCCTGCATCCGCG
ACGCCGTGTGCGAGGTGCTCAAGGGTACGACTGGAGTCTGGTGCCTATGCCGTGCGCG
GCGGGCGGGCGGCGCGCTCAAAGCCAAGCCGATGTGAAGCGGCCATGAACGCATTCA
TGGTGTGGGCGCAGGCGGCGCGCCGAAGCTGGCCGACCACTACCCGACCTGCACAACG
CCGAGCTCAGCAAGACGCTGGGCAAGCTGTGGCGTCTGCTGAGCGAGAGCGAGAAGCGGC
CCTTCGTGGAGGAGGAGAGCGCCTTCGCGTGCAGCACAAGAAGGACCACCCGACTACA
AGTACCAGCCACGGCGCAGGAAGAGCGCCAAGCCGGCCACAGGACTCCGACTCGGGCG
CGGAGCTGGGACCCACCTGGCGGCGTGTGCGGTGTACAAGGCTGAAGCAGGNTTGGAG
ATGGGCACCACATGGCGACCACACAGGGCAGACCCACGGGCCGNCACCCCGCCNACCA
CCCCAAGACGG
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Restriction Sites:

Please inquire

ACCN:

NM_014587

Insert Size:

3069 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:	<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:	<u>NM_014587.2</u> , <u>NP_055402.2</u>
RefSeq Size:	3069 bp
RefSeq ORF:	1341 bp
Locus ID:	30812
UniProt ID:	<u>P57073</u>
Cytogenetics:	16p13.3
Protein Families:	Transcription Factors
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 activator after forming a protein complex with other proteins. This protein may be involved in brain development and function. Haploinsufficiency for this protein may contribute to the cognitive disability found in an alpha-thalassemia-related syndrome (ART-16). This protein is also highly expressed in the majority of human hepatocellular carcinomas and promotes cellular proliferation and enhanced tumor growth. [provided by RefSeq, Jul 2017]