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Product datasheet for SC118160

SOX4 (NM_003107) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SOX4 (NM_003107) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOX4
Synonyms:	CSS10; EVI16
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003107, the custom clone sequence may differ by one or more nucleotides

ATGGTGCAGCAAACCAACAATGCCGAGAACACGGAAGCGCTGCTGGCCGGCGAGAGCTCGGACTCGGGCG
CCGGCCTCGAGCTGGGAATCGCCTCCTCCCCCACGCCCGGCTCCACCGCCTCCACGGGCGGCAAGGCCGA
CGACCCGAGCTGGTGCAAGACCCCGAGTGGGCACATCAAGCGACCCATGAACGCCTTCATGGTGTGGTCG
CAGATCGAGCGGCGCAAGATCATGGAGCAGTCGCCCGACATGCACAACGCCGAGATCTCCAAGCGGCTGG
GCAAACGCTGGAAGCTGCTCAAAGACAGCGACAAGATCCCTTTCATTCGAGAGGCGGAGCGGCTGCGCCT
CAAGCACATGGCTGACTACCCCGACTACAAGTACCGGCCCAGGAAGAAGGTGAAGTCCGGCAACGCCAAC
TCCAGCTCCTCGGCCGCCGCCTCCTCCAAGCCGGGGGAGAAGGGAGACAAGGTCGGTGGCAGTGGCGGGG
GCGGCCATGGGGGCGGCGGCGGCGGCGGGAGCAGCAACGCGGGGGGAGGAGGCGGCGGTGCGAGTGGCGG
CGGCGCCAACTCCAAACCGGCGCAGAAAAAGAGCTGCGGCTCCAAAGTGGCGGGCGGCGCGGGCGGTGGG
GTTAGCAAACCGCACGCCAAGCTCATCCTGGCAGGCGGCGGCGGCGGCGGGAAAGCAGCGGCTGCCGCCG
CCGCCTCCTTCGCCGCCGAACAGGCGGGGGCCGCCGCCCTGCTGCCCCTGGGCGCCGCCGCCGACCACCA
CTCGCTGTACAAGGCGCGGACTCCCAGCGCCTCGGCCTCCGCCTCCTCGGCAGCCTCGGCCTCCGCAGCG
CTCGCGGCCCCGGGCAAGCACCTGGCGGAGAAGAAGGTGAAGCGCGTCTACCTGTTCGGCGGCCTGGGCA
CGTCGTCGTCGCCCGTGGGCGGCGTGGGCGCGGGAGCCGACCCCAGCGACCCCCTGGGCCTGTACGAGGA
GGAGGGCGCGGGCTGCTCGCCCGACGCGCCCAGCCTGAGCGGCCGCAGCAGCGCCGCCTCGTCCCCCGCC
GCCGGCCGCTCGCCCGCCGACCACCGCGGCTACGCCAGCCTGCGCGCCGCCTCGCCCGCCCCGTCCAGCG
CGCCCTCGCACGCGTCCTCCTCGGCCTCGTCCCACTCCTCCTCTTCCTCCTCCTCGGGCTCCTCGTCCTC
CGACGACGAGTTCGAAGACGACCTGCTCGACCTGAACCCCAGCTCAAACTTTGAGAGCATGTCCCTGGGC
AGCTTCAGTTCGTCGTCGGCGCTCGACCGGGACCTGGATTTTAACTTCGAGCCCGGCTCCGGCTCGCACT
TCGAGTTCCCGGACTACTGCACGCCCGAGGTGAGCGAGATGATCTCGGGAGACTGGCTCGAGTCCAGCAT
CTCCAACCTGGTTTTCACCTACTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003107 unedited
GGATTTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGCGGTGAGAG
AGCGAGAGAGAGGGAGAGAGAGACTCTCCAGCCTGGGAACTATAACTCCTCTGCGAGAGG
CGGAGAACTCCTTCCCCAAATCTTTTGGGGACTTTTCTCTCTTTACCCACCTCCGCCCCT
GCGAGGAGTTGAGGGGCCAGTTCGGCCGCCGCGCGCGTCTTCCCGTTCGGCGTGTGCTTG
GCCCGGGGAACCGGGAGGGCCCGGCGATCGCGCGGCGGCCGCCGCGAGGGTGTGAGCGCG
CGTGGGCGCCCGCCGAGCCGAGGCCATGGTGCAGCAAACCAACAATGCCGAGAACACGGA
AGCGCTGCTGGCCGGCGAGAGCTCGGACTCGGGCGCCGGCCTCGAGCTGGGAATCGCCTC
CTCCCCCACGCCCGGCTCCACCGCCTCCACGGGCGGCAAGGCCGACGACCCGAGCTGGTG
CAAGACCCCGAGTGGGCACATCAAGCGACCCATGAACGCCTTCATGGTGTGGTCGCAGAT
CGAGCGGCGCAAGATCATGGAGCAGTCGCCCGACATGCACAACGCCGAGATCTCCAAGCG
GCTGGGCAAACGCTGGAAGCTGCTCAAAGACAGCGACAAGATCCCTTTCATTCGAGAGGC
GGAGCGGCTGCGCCTCAAGCACATGGCTGACTACCCCGACTACAAGTACCGGCCCAGGAA
GAAAGTGAAGTCCGGCAACGCCAACTCCAGCTCCTCGGCCGCCGCCTTCTNCAAGCCGGN
GGAGAAGGNANACANNGTCNGTGGCANTGGCGGGGCGGCATTGTGGGGCCCGGCCGCCGC
GCGGGACACCAACCGGGGGAAGGAGGCGCGCGTTCCATTGTCGCCGCCCCACTTCAACCG
CGCANAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003107 unedited
TGAGTCGAGTTTTTTTTTTTTTTTTTTTACCTTTTCTCTTTAAACTCTTCGACTGTCCTT
TTCGTTACTTTTTTTCACTTTTTTTTTTCTCCTCTCCTACCCACCCCGGCCCTTCTCCTT
GCCTGCGCGCCCTTCAGTAGGTGAAAACCAGGTTGGAGATGCTGGACTTGAGCCAGCCTC
CCGAGATCATCTCGCTCACCTTGGGCGTGCACCCAGTCGGGAACTCTAAGTGCGAGCCGG
AGCCGGCCTCGAACTTAAAATCCAGGCCCCGGCCCAGCGCCGACGACGAACTGAAGCTGT
TCAGGGACATGCTCTAAAAGTCTGAACTGGGGTTCAGGCCGAGCAGGCCGTCTCCCAACT
CGCTTCTGGAGGACCAGGACCCCCAGGAGGAGGAACAGGAGGAGTGGTACCAGGCCGAGG
AGGACCGCGTGTGAGGGTTCACTGGACGGGGCGGCCGATGCTGATCGCAAGCTGTCGCAA
CCGCGGTGGCCGGTGGTCGACCGGTCGACCCCGGGGGACCAGGAGGAACTGACTGAACCG
CTCAGCCGGCCCCCTTGGTCAGCTCTCCCTCCCCTTTTTTTCCCGCCCTGGGGCCCACG
GGGCCGTTCCCTTTCCCTCTTGTCCGCTCCCTCCCCCCTCTCTCCCCGTCCGGCTCCTCC
CTTGCCCTCCCCCCCCTCTTCTTTCCCGAGCCCCTCCCCCCCCTCGGTCCCGCTTCTTCG
CGGTTTGTCTCGGCTCTGGCACGCCCCACCTTCCCCCCCGGCGGCCTCCTCCCCCTTCCC
CCCCCCCCACCCGCCCCCGTTAACCCATTCCCAACTGCGCGCTCGCCCTCATTCCCCCTT
CCTCCGGCTCCTTACTTCGCCCGCCCCCCCCCTCTCTTCTCCGTCTCTCCCAATATCGCC
CCCCCTCTACCCCGCTCCCTTTCTCCGTTTTCTATTCCCCGTGCCCCTTCGACCCCCGCT
CCACCCTCCTCTGTCTTCTCCCGCCCGTCCCCCG

Restriction Sites: NotI-NotI

ACCN: NM_003107

Insert Size: 1840 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_003107.2, NP_003098.1
RefSeq Size:	4912 bp
RefSeq ORF:	1425 bp
Locus ID:	6659
UniProt ID:	Q06945
Cytogenetics:	6p22.3
Domains:	HMG
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Stem cell relevant signaling - TGFb/BMP signaling pathway, Transcription Factors
Gene Summary:	This intronless 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, such as syndecan binding protein (syntenin). The protein may function in the apoptosis pathway leading to cell death as well as to tumorigenesis and may mediate downstream effects of parathyroid hormone (PTH) and PTH-related protein (PTHrP) in bone development. The solution structure has been resolved for the HMG-box of a similar mouse protein. [provided by RefSeq, Jul 2008]