

Product datasheet for **SC123830**

SIX1 (NM_005982) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIX1 (NM_005982) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIX1
Synonyms:	BOS3; DFNA23; TIP39
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005982 edited
 CGGAGGCAGCAAGGCCTTAAAGGCTACTGAGTGCGCCGGCCGTTCCGTGTCCAGAACCTC
 CCCTACTCCTCCGCCTTCTTCTTCTGGCCGCCACCGCCAAGTCCGACTCCGGTTTTTC
 GCCTTTGCAAAGCCTAAGGAGGAGGTTAGGAACAGCCGCCCCCTCCCTGCGGCCGCC
 GCCCCCTGCCTCTCGGCTCTGCTCCCTGCCGCGTGCGCCTGGGCCGTGCGCCCCGGCAGG
 CCCCAGCCATGTCGATGCTGCCGTGCTTTGGCTTTACGCAGGAGCAAGTGGCGTGCCTGT
 GCGAGGTTCTGCAGCAAGGCGGAAACCTGGAGCGCCTGGGCAGGTTCTGTGGTCACTGC
 CCGCCTGCGACCACCTGCACAAGAACGAGAGCGTACTCAAGGCCAAGGCGGTGGTGCCT
 TCCACCGGGCAACTCCGTGAGCTCTACAAGATCCTGGAGAGCCACCAGTTCTCGCCTC
 ACAACCACCCAAACTGCAGCAACTGTGGCTGAAGGCGCATTACGTGGAGGCCGAGAAGC
 TGTGCGGCCGACCCTGGGCGCCGTGGGCAAATATCGGGTGCGCCGAAAATTTCCACTGC
 CGCGCACCATCTGGGACGGCAGGAGACCAGCTACTGCTTCAAGGAGAAGTCGAGGGGTG
 TCTGCGGGAGTGGTACGCGCACAATCCCTACCCATCGCCGCGTGAGAAGCGGGAGCTGG
 CCGAGGCCACCGGCTCACCCACCCAGGTGAGCAACTGGTTTAAAGAACCGGAGGCAAA
 GAGACCGGGCCGCGGAGGCCAAGGAAAGGGAGAACACCGAAAACAATAACTCCTCCTCCA
 ACAAGCAGAACCAACTCTCCTCTGGAAGGGGCAAGCCGCTCATGTCCAGCTCAGAAG
 AGGAATTCTCACCTCCCCAAAGTCCAGACCAGAACTCGGTCTTCTGTGTCAGGGCAATA
 TGGGCCACGCCAGGAGCTCAAATATTCTCTCCGGGCTTAACAGCCTCGCAGCCCAGTC
 ACGGCCTGCAGACCCACCAGCATCAGCTCCAAGACTCTCTGCTCGGCCCCCTCACCTCCA
 GTCTGGTGGACTTGGGGTCTAAGTGGGAGGGACTGGGCCCTCGAAGGATTTCTGGAG
 CAGCAACCACTGCAGCGACTAGGACACTTGTAATAGAAATCAGGAACATTTTTGCAGC
 TTGTTTCTGGAGTTGTTTGCGCATAAAGGAATGGTGGACTTTCACAAATATCTTTTTAA
 AATCAAAACCAACAGCGATCTCAAGCTTAATCTCCTTCTCTCAACTCTTTCCACTTT
 TGCATTTTCTTCCAATGCAGAGATCAGGGAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005982 unedited NGGTACGTCATATTTGTATACACTATTAGGCGGCCGCGATTTCGCACGAGGCGGAGCAGCA GGCCTTAAAGCTACTGAGTGCGCCGCCGTTCCGTGTCCAGAACCTCCCCTACTCCTCCG CCTTCTCTTCTTGCCGCCACCGCCAAGTCCGACTCCGGTTTTGCCTTTGCAAAGC CTAAGGAGGAGGTTAGGAACAGCCGCGCCCCCTCCCTGCGGCCGCCGCCCTGCCTCT CGGCTCTGCTCCCTGCCGCTGCGCCTGGGCCGTGGCCCCGGCAGGCCCCAGCCATGTC GATGCTGCCGTCGTTTTGGCTTTACGCAGGAGCAAGTGGCGTGCCTGTGCGAGGTTCTGCA GCAAGGCCGAAACCTGGAGCGCCTGGGCAGGTTCTGTGGTCACTGCCCGCTGCGACCA CCTGCACAAGAACGAGAGCGTACTCAAGGCCAAGGCGGTGGTTCGCTTCCACCGCGCAA CTTCCGTGAGCTCTACAAGATCCTGGAGAGCCACCAGTTCTCGCCTCACAACCACCCCAA ACTGCAGCAACTGTGGCTGAAGGCGCATTACGTGGAGGCCGAGAAGCTGTGCGGCCGACC CCTGNGCGCCGTGGGCAAATATCGGGTGCGCCGAANATTTCCACTGCCGCGCACCATCTG GGACGGCAGGAGACCAGCTACTGCTTCAGGAGAAGTCGAGGGGTGCTCTGCGGGAGTGG TACGCGCACAAATCCCCTACCATCGNCGCGTGAGAAGCGGGAGCTGGCCGAGGCCACCGGC CTCACCACCACCAGGTCAGCAACTGGTTTTAGACCNNGGAGCAAAGAGACCGGGCCGCG GAGGCCAAGGAAAGGAGAACACCGGAAACATAACTCTCCTTCC
Restriction Sites:	Please inquire
ACCN:	NM_005982
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:	NM_005982.1 , NP_005973.1
RefSeq Size:	1378 bp
RefSeq ORF:	855 bp
Locus ID:	6495
UniProt ID:	Q15475
Cytogenetics:	14q23.1
Protein Families:	Transcription Factors

Gene Summary:

The protein encoded by this gene is a homeobox protein that is similar to the Drosophila 'sine oculis' gene product. This gene is found in a cluster of related genes on chromosome 14 and is thought to be involved in limb development. Defects in this gene are a cause of autosomal dominant deafness type 23 (DFNA23) and branchiootoc syndrome type 3 (BOS3). [provided by RefSeq, Jul 2008]