

Product datasheet for **SC126141**

SIX2 (NM_016932) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIX2 (NM_016932) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIX2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_016932 edited
CGCGGAGCATGCGGAGCGGCGCCCCGGGCGGCCCCGGGCTTGGGCGAGGGCTTGGGCCA
GGCGCGCGGGCCGTTGGGGTTTCGAGCTTCGTGGGACCCGCGGCCGGCGCGGGGACGTAC
GGCAGTGACTCGGGGCTCACCGGGGCCAGTGCCGGGCCAGGGGGCCAGCCCCGGCCGCG
TCTCGGCCCGGACGGCCCGGCGAGGAAGTCCCATGCGGGACCGCGCGGCCCGGTGAGGG
CGCGCGCGGGCGGGCGGGGACGACGCCGGCACCATGTCCATGCTGCCACCTTCGGCTTC
ACGCAGGAGCAAGTGGCGTGCCTGTGCGAGGTGCTGCAGCAGGGCGGCAACATCGAGCGG
CTGGGCGCGCTTCTGTGTCGCTGCCCGCTGCGAGCACCTTCACAAGAATGAAAGCGTG
CTCAAGGCCAAGGCCGTGGTGGCCTTCCACCGCGCAACTTCCGCGAGCTCTACAAGATC
CTGGAGAGCCACCAGTTCTCGCCGACACACGCCAAGCTGCAGCAGCTGTGGCTCAAG
GCACACTACATCGAGGCGGAGAAGCTGCGCGGCCGACCCCTGGGCGCCGTGGGCAATAC
CGCGTGCGCCGAAATCCCGCTGCCGCTCCATCTGGGACGGCGAGGAGACCAGCTAC
TGCTTCAAGGAAAAGAGTCGAGCGTGTGCGGAGTGGTACGCGCACACCCCTACCCT
TACCCCCGCGAGAAGCGTGAGCTGACGGAGGCCACGGGCTCACCACCACACAGGTGAGC
AACTGGTTCAAGAACCGCGGCGAGCGACCGGGCGGCCGAGGCCAAGGAAAGGGAGAAC
AACGAGAACTCCAATTCTAACAGCCACAACCCGCTGAATGGCAGCGGCAAGTCGGTGTTA
GGCAGCTCGGAGGATGAGAAGACTCCATCGGGGACGCCAGACCACTCATCATCCAGCCCC
GCACTGCTCCTCAGCCCCCGCCCCCTGGGCTGCCGTCCCTGCACAGCCTGGGCCACCCT
CCGGGCCCCAGCGCAGTGCCAGTGCCGGTGCCAGGCGGAGGTGGAGCGGACCCACTGCAA
CACCACCATGGCTGCAGGACTCCATCCTCAACCCCATGTGAGCCAACTCGTGGACCTG
GGCTCCTAGAACCATTTCCTTGATGAGCTTGCTTTTGTGACTTGACACTGGGACGT
GGAGTGGCGGTGCCAGGGGCGCCCCGCCCTGCGGCCCAACAGGTACTGAAAGACCCG
CAGGCTGAGCGGGTAGAACAGCCGGGTAGGGCAGATAGCTGTCTATGTTGGTTCTTGT
GGGATTTATTTTCAACAAGTTACTTTTAGGATCCTTTTGGGGCTGGAGACTGAGTCTTGA
ACCACAGAAGGGAATAAATTATACACCACTGTCATTCTCTCTCCCTCTGTCTCTTCT
TTTACCCTCTCTGTCTTGCCTTTTCCCCCTTCTCTTCTTCTCCTTCTCTTTT
CTTTTTCTGCTTCTGTCTTCTCCCTCTCCTTGATTGCTTCTCTAGATTCTAG
CTTGCCACCGTTCACTCTCTCTCTGTCTCTCCCTTCTCTCTCTCTCTGTTCTCC
TCTTCTCTCTGCCAGTCTCTGTACTCTGTGCTCCTGGTCCCTCCGTATGTACCCCTG
TCTTCTCTCTGACTGGTGGTCTATCTGCCCTACCTCTGGCCCTCGCTTTACCGGAG
TAGGGGTGGGAGAGGGAAGAGGAGAGAAAAGACAGGGACTTTGAACCTAGGCCATCTCC
TGAGGCCTTTTCCCTCGCCCATGTGGGTCAAGTGGGAGCTGCAGGTGTGAGCTTTTCGTCT
AGTAACCTAAGTGAGAGAGAAAGGCGAGCGCCACAGAAGCCCCTAAACGCCGCTCGTCA
TACGCCCTCCTCTCTCTCTTGGCGAGGCCCCGCCACACCGCGCTCTTCTCCCGGA
CTGTGACTACAGCGCTCCCGGTGAGCGCGCCCCCGAGCCGCGACTTGCCGTCTCCCC
GTAATGCCCTCATGTGAATGTTCTTCGGGAAATATTTCTGCTTTTATTTTATAATAAAAT
TAGAAATCATAAATAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016932 unedited <pre> GTCTTATTTGTATACGACTCATATAGGCGGCCGCGTAATTCGCACGAGGCGCGGCACATG CGGAGCGGCGCCCCGGGCGGCCCGGGCTTGGGCGAGGGCTTGGGCCAGGCGCGCGGGC CGTTGGGGTTCGGAGCTTCGTGGGACCCGCGGCCGCGCGGGGACGTACGGCAGTGACTC GGGGCTCACCGGGGGCCAGTGCCGGGGCCAGGGGGCCAGCCCCCGCCGCTCTCGGCCGG ACGGCCCGGCGAGGAAGTCCCATGCGGGACCGCGCGGCCCGGTGAGGGCGCGCGGGC GGGCGGGGACGCAGCCGGCACCATGTCCATGCTGCCACCTTCGGCTTCACGCAGGAGCA AGTGCGGTGCGTGTGCGAGGTGCTGCATCAGGGCGGCAACATCGAGCGGCTGGGCCGCTT CCTGTGGTTCGCTGCCCGCTGCGAGCACCTTCACAAGAATGAAAGCGTGCTCAAGGCCAA GGCCGTGGTGGCCTTCCACCGCGCAACTCCGCGAGCTCTACAAGATCCTGGAGAGCCA CCAGTTCTCGCCGACAACCACGCCAAGCTGCAGCAGCTGTGGCTCAAGGCACACTACAT CGAGGCGGAGAAGCTGCGCGGCCGACCCCTGGGCGCGTGGGCAAATACCGCGTGCGCCG CAAAATCCGGCTGCCGCGCTCCATCTGGGACCGCGAGGAGACCAGCTACTGCTTAAAGGA AAAGAATCCACACGTGCTGCGCGAGTGGTACCGCGCAAACCCCTACCTTCACCCCCCAA GAGCCTGGAAGTACGCGAGGCACGGGCCCTTACCACACACAGGTCAACCACGGGTTCAAAA CCGGGGACACACACCGGGCGGCCTGGCCAGGAAAGGGAAACACCAGAATTCAATTTTAA AAACCCCCCCCCTGAATTGGCCCGCAATCCGTGTGAGCGGCTGG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016932
Insert Size:	2100 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_016932.3 , NP_058628.2
RefSeq Size:	2132 bp
RefSeq ORF:	876 bp
Locus ID:	10736
UniProt ID:	Q9NPC8
Cytogenetics:	2p21
Protein Families:	Transcription Factors

Gene Summary:

This gene is a member of the vertebrate gene family which encode proteins homologous to the Drosophila 'sine oculis' homeobox protein. The encoded protein is a transcription factor which, like other members of this gene family, may be involved in limb or eye development. [provided by RefSeq, Dec 2008]