

## Product datasheet for **SC125263**

### SIX5 (NM\_175875) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SIX5 (NM_175875) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIX5
Synonyms:	BOR2; DMAHP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_175875, the custom clone sequence may differ by one or more nucleotides

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ATGGCTACCTTGCTGCGGAGCCGAGCGCGGGCCGGCGGCTGGGGGGAGGCGGTGGCGGCGCGCGG
CGACCGAAGAGGAGGAGGAGGAAGCGCGCAGCTCTTGCACTTTGCAGGCGCCGAGGGTGAGGCGGC
GGCGGCGCGCGGGCCGGGGCGGGCGCAGCGGCTGCGGGAGCTGAGGGCCCGGGATCCCGGGCGTCCC
GGGTGCGCCCGGAGGCCGCTTCCGAACCGCCACGGGCTCCGCTTCTGCGCCGAGCAGGTGGCGTGCG
TCTGCGAGGCGCTGCTCCAGGCGGGCCACGCGCGCGCTTGAGCCGCTTCTGGGCGCACTGCCCGGCG
CGAGCGCTACGTGGCAGCGACCCGGTGTGCGCGCGCGGGCCCTGGTGGCTTCCAGCGGGGCGAGTAC
GCCGAGCTCTACCGGCTACTCGAGAGCCGCCCTTCCCGCGCCACCACGCTTCTGCAGGACCTCT
ACCTGCGCGCGCTACCATGAGGCCGAGCGGGCCGCGCGCGCGCTTGCGCAGTGGACAAGTATCG
ACTGCGCAAGAAGTCCCGCTGCCAAGACCATCTGGGACGGCGAGGAGACAGTCTACTGCTTCAAGGAG
CGCTCCCGCGCAGCGCTCAAGGCCTGCTACCGCGCAACCGCTACCCACGCGGACGAGAAGCGCGCC
TGCCCACTCACCGGCTGTCGCTCACGAGGTGAGCAACTGGTTCAAGAACCGCGACAGCGCGACCG
GACCGGGCCCGAGGCGCGCGCCCTGCAAGAGCGAGTCTGATGGGAATCCACGACTGAGGACGAGTCC
AGCCGAAGTCTGAGGACCTGGAGAGAGGGGCGGCCCCAGTGTCCGCGGAGGCGCGTCCAGGGCTCCA
TATTCTGGCAGGGACCGGCCCTCCCGCGCTTCCCGCGCTTCTCCTCCATCCTGGTGAACGGGAGCTT
CCTGGCAGCCAGCGGCTCCCGCAGTGTCTCAACGGGGGCCCGTCAATCAACGGCTGGCCCTG
GGCAGGCTCCAGCCTGGGCGCGCTGCTGCTACTGGGGCGGGGGTGGCCCTCCACCGCAGCCAGCC
CTCAGGGGCGCAGCGAGACCAAGACCTCTGCTGCTGGACCTCAGACAGGGGAGGTGCGGCTGGAGGA
GGCTCAGTCGGAGGCCCTGAGACCAAGGGGCCAGGTGGTGTCTCCGGACCGCCCTGGAGAGGAG
GTCTGGGGCCCTGGCCAAAGTGGTGCCTGGCCCGGACGGTGCACCTTCTGCCCGGGGG
CAGTGCCTGCTGTGGCTGCCCCACAAGTGGTACCGCTCTCCCCACCGCGGGGTATCCACGCGGCTGAG
CCCCACTCCCCACTATTGAACCTGCCCGAGTGTACCCACTCACAGGTGGTACCCTGCCCGAGGCT
GTGGGGCCCTGCAGCTGTTGGCAGCGGGCCAGGCGAGCCTGTGAAGGTGGCAGCTGCAGCAGGCGCTG
CCAATGTGCACCTCATCAACTCCGGGTGGGCGTACTGCCCTGCAGTGCCTTCCGGCCACTGCCCGAG
AAACTTCTCCTGGCCAACCTGTGTCTGGCAGCCCCATCGTGACGGGTGTGGCGTGCAGCAGGGCAAG
ATCATCTCACCGCCACCTTCCCCACCAGCATGCTGCTCCAGGTCTGCCGCCAGCCCCGGCTGG
CCCTGCCACTGAAGCCAGAGACGGCCATCTCCGTGCTGAGGGAGGCTCCCGGTGGCCCCAGCCCTGC
TCTCCAGAGGCTCAGCCCTAGGCACCTTTCTGCACAGCAGCCACCCCGCGCGTGCACACCACTCC
AGCACCAGCTGCCCTTCTCCCTGACTCCCTGGCTCCTGCCAACTCCCGGCGCCCCACCAGAGG
GGCTGATGTTGTACCCGCGGCGTGCCTGCTGGTGCAGCAGGGCTGGAATAAGCGCAGGAACAGAGGG
GCTGCTGGAAGCGGAAAAGGGGCTGGGGACACAGGCCCCCACACCGTGTGAGGCTGCCAGACCCGAC
CCTGAGGGGCTGCTCCTGGGGCCACCGCAGGGGGTGAAGTTGACGAGGGGTGGAAGCTGAGGCCAAGG
TTCTGACCCAGCTCCAGTCGGTGCCTGTGGAGGAGCCCTTGAAGTGTGA
    
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**3' Read Nucleotide Sequence:**

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>OriGene 3' read for NM_175875 unedited
AGCCGGAGAGGCACTGGGGAGGGGTACAGGGATGCCACCCGGATCTGTTACAGAAACA
GCTATGACCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGGGGGGAACCCAAAATTTTTTTT
AATTGAAAAGGGGCGCTAACATGTCCCAAAAAAAAAAATTTTTGTTACAAAGGAAAC
CCCCCGCGGGCCGCCCGGGATGAGGAAACTTTGGTCTGGGCGGATAAAAAAGA
CAAGGGCTTGATTCAAGGGGAGCCGGTAAAGAAAACCCCGTTTCCCCAAAATTGCCCC
ACCCCCCCCCCGCAGGAAAAGCCCCCGGGGGGGGCTCATTCTAAGGGGCCCGG
GGGGCGCTGCCCGCCCTTCCGATTCCAGGCAGTTGGGACAACCCCTATCGGCAGA
GCTATTAATATTGTTTACGGGAGGACAAGAAAAGGGCCCTGGGGGCTGGAAACCCGGCC
CCGGGGCAGGGGGTTCCCTTCCCCTAGTCCCAAGGGGAGGGGGAGGGCCCTGATTT
AGGACCTAATCCCCCCTATTTGGGAGGGCACACCTGGGGGGGCGTTTACAAAAA
AGGCTCCCCCCCCAGGGGGGGGGACCCCCGAGGAAGGGGGCCGGGATACAACCC
CCCGCACCCACCGGCTTGGGG
    
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_175875
<b>Insert Size:</b>	2700 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_175875.3</a></u> , <u><a href="#">NP_787071.2</a></u>
<b>RefSeq Size:</b>	3145 bp
<b>RefSeq ORF:</b>	2220 bp
<b>Locus ID:</b>	147912
<b>UniProt ID:</b>	<u><a href="#">Q8N196</a></u>
<b>Cytogenetics:</b>	19q13.32
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	The protein encoded by this gene is a homeodomain-containing transcription factor that appears to function in the regulation of organogenesis. This gene is located downstream of the dystrophia myotonica-protein kinase gene. Mutations in this gene are a cause of branchiootorenal syndrome type 2. [provided by RefSeq, Jul 2009]