

Product datasheet for **SC115904**

SCML1 (NM_006746) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCML1 (NM_006746) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCML1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006746, the custom clone sequence may differ by one or more nucleotides

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ATGATGTCTAACAGCTCCAGTGAATCGATGTGCAGGAACCGAATATTGTATCTGACGCATCCTGTAATA
CTGAAGAGCAACTGAAGACAGTTGATGATGTCCTTATTCATTGCCAGGTTATATATGATGCTCTGCAAAA
CCTGGATAAGAAGATTGATGTGATTTCGTAGAAAGGTTTCAAAAATCCAACGTTTCCATGCGAGATCCCTG
TGGACAAATCATAAGCGATATGGATATAAAAAGCATTCTTACCGGCTTGTTAAAAAGCTTAACTCCAGA
AAATGAAGAAAAATGAGGTTTACGAGACATTCTCCTACCCTGAAAGTTACAGCCCCACTTACCAGTGTC
AAGGCGTGAGAATAATTCCTCCGAGCAACCTTCCAAGGCCATCCTTTTGCATGGAAGAATACCAGCGAGCT
GAGCTGGAGGAGGACCGATCCTCAGCCGCACTCCGAGTCCAGTGCATCCCTCAGATTTCTCTGAGCATA
ATTGTGAGCCGTATTATGCATCTGATGGTGAACGTATGGTTCTTCTTCAGGGCTCTGCCTTGGCAACCC
TCGGGCTGACAGCATCCACAACACTTACTCAACTGACCATGCTTCTGCAGCACCACCTTCAGTTACAAGG
TCACCAGTTGAAAATGACGGTTACATAGAGGAAGGAAGCATCACTAAGCACCTTCAACCTGGTCGGTGG
AAGCAGTGGTCTATTTCTAAAACAAACAGATCCTCTTGCAATTATGCCCTCTTGTGACCTTTCAGAAG
CCATGAAATTGACGGGAAGGCTCTGCTCCTACTCACGAGTGACGTGTTGCTGAAGCACTTGGGGTGAAG
CTGGGAACGGCTGTGAAGCTATGCTACTACATTGACCGACTTAAACAAGGAAAATGCTTTGAAAATTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006746 unedited
 CAAATTTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGGCATCACTGGTC
 TCGCGTGCCGCTGACCAGGCCGGTTTCCGGTGCCAGGACCTTTCCGAAGCGTCGAGTGG
 CCTAACGGTCACAGCTGTGCGCCATCGGAGAGGCAGGACTACTGCGAGCAGTTTTACCGC
 GACCTCCGGAGGCCGGCTGACAGGCTCTGTACTAAAATAGCAGGAACCGAATATTGTA
 TCTGACGCATCCTGTAATACTGAAGGCAACTGAAGACAGTTGATGATGTCCTTATTCAT
 TGCCAGTTATATATGATGCTCTGCAAAACCTGGATAAGAAGATTGATGTGATTCTGTAGA
 AAGGTTTTCAAAAATCCAACGTTTCCATGCGAGATCCCTGTGGACAAATCATAAGCGATAT
 GGATATAAAAAGCATTCTTACCGCTTGTAAAAAGCTTAAACTCCAGAAAATGAAGAAA
 AATGAGGTTTACGAGACATTCTCCTACCCTGAAAGTTACAGCCCCACTTTACCAGTGTCA
 AGGCGTGAGAATAATCCCGAGCAACCTTNCAGGCCATCCTTTTGATGGAAGAATACC
 AGCGAGCTGAGCTGGANGANGACCCGATCCTCAGCCGACTCCGAGTCCAGTGCATCCCT
 CAGATTTCTGTGACATAATTGTCAGCCGTATTATGCATCTGATGGTCAACGTATGGTT
 CTTCTTCAAGGCTCTGCCCTTGGCACCCCTCGGCCTGACAGCATCCACAACACTTACTCA
 ACTGACCATGCTTCTGCAGCACCACCTTAGTTACAAGGTCACCATTTGAAAATGACGGT
 TTTCTTATGAGGAAGAAGCCTCACTAAGCACCTTCAACTGGGTCCGTGAAACAGTGGTCC
 TATTTCTAAACAACAGATCTTTTGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006746 unedited
 CCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCTGTTTCTTGCATGAAAT
 ATATTTGTAAACAATAATAAAAAGTAATTTTTAAAGACCTATAAAGAATGAATTTTCTA
 TTGGACTATTCTAATACTATCTAGCAGTTAAATGGTTTTTAAAGAAGTAGACTGGACTA
 TAACATAGTTCTACAATTCTAGCTATAATATATTTTGGAGATACTTTCTACAAAACAAA
 AACGACTAAAGGGCAGAAAAATGATTCACACTAAGAAGGCATTGGTGCCTCTAGAAGTT
 GGCCCAATCTAAATTTGCACAAGGATTTTTTCAATTTTCAAAGCATTTTCTTGTAAAG
 TCGGTCAATGTAGTAGCATAGCTTACAGCCGTTCCAGCTTACCCCCAAGTGCTTCAG
 CAACACGTCACCTCGTGAGTAGGAGCAGAGCCTTCCCGTCAATTTTATGGCTTCTGAAGAG
 GTCGACAAGAGGGCATAATGCAAGAGGATCTGTTTGTGTTTAAAGAAAGGACCCTGCTTC
 CACCGACCAGGTTGAAGGGTGTAGTGATGCTTCTTCTCTATGTAACCGTCATTTTC
 AACTGGTGACCTTGTAAGGTTGGTGTGCTGCAAGCATGGTCAGTTGAGTAAGTGT
 GTGGATGCTGTCAGCCCAGGGTTGCCAAGGCAGAGCCCTGAAGAAGACCATAACGTTGCA
 CCATCAGATGCATAATACGGCTGGACATTATGCTCAGAGAAATCTGAGGGATGCACTGGA
 CTCGNAGTGCCGCTGAGGATCCGGTCTCCTNAGCTCAGCTCGCTGGTATTCTTATGC
 AAAAGGAAGCCCTCGAAAGGNTGCTCGGNGAATATTTCTTACCCCTTGCCCTGGTAAGTGG
 GGCTGGACTTTCAGGGTAGGAGATGCTCGTAACCTTATTTTCTCATTTCTGGAGTTAGG
 CTTTAAACAAGCGTTAAGAGC

Restriction Sites:

NotI-NotI

ACCN:

NM_006746

Insert Size:

1450 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:	NM_006746.3 , NP_006737.1
RefSeq Size:	2853 bp
RefSeq ORF:	2853 bp
Locus ID:	6322
UniProt ID:	Q9UN30
Cytogenetics:	Xp22.13
Domains:	SAM
Protein Families:	Transcription Factors
Gene Summary:	<p>Putative Polycomb group (PcG) protein. PcG proteins act by forming multiprotein complexes, which are required to maintain the transcriptionally repressive state of homeotic genes throughout development. May be involved in spermatogenesis during sexual maturation (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an exon and uses an alternate splice site in the 5' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (b) is shorter than isoform a.</p>