

## Product datasheet for **SC317447**

### 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:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC317447 representing NM\_006746.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGTCTAACAGCTCCAGTGAATCGATGTGCAGGAACCGAATATTGTATCTGACGCATCCTGTAAT
ACTGAAGACAACTGAAGACAGTTGATGATGTCCTTATTCATTGCCAGGTTATATATGATGCTCTGCAA
AACCTGGATAAGAAGATTGATGTGATTCGTAGAAAGGTTTCAAAAATCCAACGTTTCCATGCGAGATCC
CTGTGGACAAATCATAAGCGATATGGATATAAAAAGCATCTTACCGGCTTGTTAAAAGCTTAAACTC
CAGAAAATGAAGAAAAATGAGGTTTACGAGACATTCTCCTACCCTGAAAGTTACAGCCCCACTTTACCA
GTGTCAAGGCGTGAGAATAATTCCCCGAGCAACCTTCCAAGCCATCCTTTTGCATGGAAGAATACCA
CGAGCTGAGCTGGAGGAGACCCGATCCTCAGCCGCACTCCGAGTCCAGTGCATCCCTCAGATTTCTCT
GAGCATAATTGTAGCCGTATTATGCATCTGATGGTGCAACGTATGGTTCTTCTTCAGGGCTCTGCCTT
GGCAACCCTCGGGCTGACAGCATCCACAACACTTACTCAACTGACCATGCTTCTGCAGCACCACCTTCA
GTTACAAGGTCACCAGTTGAAAATGACGGTTACATAGAGGAAGGAAGCATCACTAAGCACCTTCAACC
TGGTCGGTGGAAGCAGTGGTCTATTTCTAAAACAAACAGATCCTTGCATTATGCCCTTGTGCGAC
CTTTCAGAAGCCATGAAATTGACGGGAAGGCTCTGCTCCTACTCAGAGTGACGTGTTGCTGAAGCAC
TTGGGGGTGAAGCTGGGAACGGCTGTGAAGCTATGCTACTACATTGACCGACTTAAACAAGGAAAATGC
TTTAAAAATTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_006746  
**Insert Size:** 909 bp



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<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<a href="#">NM_006746.5</a>
<b>RefSeq Size:</b>	2853 bp
<b>RefSeq ORF:</b>	909 bp
<b>Locus ID:</b>	6322
<b>UniProt ID:</b>	<a href="#">Q9UN30</a>
<b>Cytogenetics:</b>	Xp22.13
<b>Domains:</b>	SAM
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	34.2 kDa
<b>Gene Summary:</b>	<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>