

## Product datasheet for SC302908

### SCML1 (NM\_001037535) Human Untagged Clone

#### Product data:

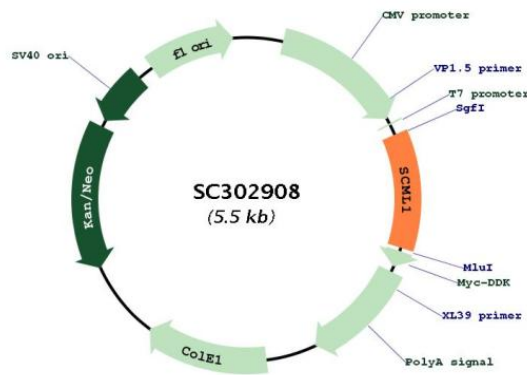
Product Type:	Expression Plasmids
Product Name:	SCML1 (NM_001037535) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCML1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302908 representing NM_001037535. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGAAAAATGAGGTTTACGAGACATTCTCCTACCCTGAAAGTTACAGCCCCACTTTACCAGTGTCA
AGGCGTGAGAATAATCCCGAGCAACCTTCCAAGGCCATCCTTTTGCATGGAAGAATACCAGCGAGCT
GAGCTGGAGGAGGACCCGATCCTCAGCCGCACTCCGAGTCCAGTGCATCCCTCAGATTTCTCTGAGCAT
AATTGTCAGCCGTATTATGCATCTGATGGTGCAACGATGGTTCTTCTTCAGGGCTCTGCCTGGCAAC
CCTCGGGCTGACAGCATCCACAACACTTACTCACTGACCATGCTTCTGCAGCACCACCTTCAGTTACA
AGGTCAACAGTTGAAAAATGACGGTTACATAGAGGAAGGAAGCATCACTAAGCACCCCTTCAACCTGGTCCG
GTGGAAGCAGTGGTCTATTTCTAAAACAAACAGATCCTCTTGCATTATGCCCTCTTGTGCACCTCTTC
AGAAGCCATGAAATTGACGGGAAGGCTCTGCTCCTACTCACGAGTGACGTGTTGCTGAAGCACTGGGG
GTGAAGCTGGGAACGGCTGTGAAGCTATGCTACTACATTGACCGACTTAAACAAGGAAAATGCTTTGAA
AATTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001037535

**Insert Size:** 627 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).

**OTI Annotation:** 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.

**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:	<a href="#">NM_001037535.2</a>
RefSeq Size:	2704 bp
RefSeq ORF:	627 bp
Locus ID:	6322
UniProt ID:	<a href="#">Q9UN30</a>
Cytogenetics:	Xp22.13
Protein Families:	Transcription Factors
MW:	23.1 kDa
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 (3) lacks two exons and uses an alternate splice site in the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (c) has a shorter N-terminus, compared to isoform a. Both variants 3 and 4 encode the same isoform (c).</p>