

## Product datasheet for **RC224680**

### SCMH1 (NM\_012236) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCMH1 (NM_012236) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SCMH1
Synonyms:	Scml3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC224680 representing NM\_012236  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCAGTCTACACACCTCCAAGCAACGAGTTC AAGATCAGTATGAAATTGGAAGCACAGGACCCAGGA  
 ACACCACATCCACTGTATTGCCACAGTAGTTGGACTGACAGGTGCCCGCCTTCGCCTGCGCCTTGATGG  
 GAGCGACAACAAAAATGACTTCTGGCGGCTGGTTGACTCAGTGAATCCAGCCTATTGGGAAGTGTGAA  
 AAGAATGGGGTATGCTACAGCCACCTCTGGATTTCGGCTGAATGCGTCTTCTGGCCCATGTTCTTTT  
 TGAAGACGCTAAATGGAGCAGAGATGGCTCCCATCAGGATTTTCCACAAGGAGCCACCATCGCCTCCCA  
 CAACTTCTCAAATGGGAATGAAGCTAGAAGCTGTGGACAGGAAGAACCCTCATTTTCAATTTGCCAGCC  
 ACTATTGGGGAGTTTCGGGGCTCAGAGGTGCTTGTCACTTTTGTGGTGGCGAGGGGCTTTGACTACT  
 GGTGCCGCTTCGACTCCGAGACATCTCCCTGTGGGCTGGTGTCTTACTGGAGACAACCTGCAGCC  
 TCCTGGCACCAAAGTTGTATTCAAAGAATCCCTATCCTGCCTCCGATGTGAATACTGAGAAGCCAGC  
 ATCCACAGCAGCACAAAACCTGTCTTGGAAATCAACCAGGGCAGAGGGGGCGTAAACCAGGAAAGAAGC  
 GGGGCCGGACACCAAGACCCTAATTTCCCATCCCATCTCTGCCCATCCAAGACAGCTGAACCTTTGAA  
 ATTTCCAAAGAAGAGAGGTCCAAAACCTGGCAGCAAGAGGAAACCTCGGACTTTGCTGAACCCACCCT  
 GCCTCACCAACAACAGCACTCTGAACCGGATACCAGCACTGTACCCAGGATGCTGCCACCATCCCA  
 GCTCAGCCATGCAGGCCCAACAGTTTGTATCTACTTGAACAAGAATGGCAGCACAGGCCCCACTTAGA  
 TAAGAAGAAGTCCAGCAACTCCCTGACCATTTTGACCAGCCCGTGCCTCTGTGGTGTGCAGCAGGT  
 GTCCAGGCCTGTATCGACTGTGCTTATCACCAGAAAACCGTCTTCAGCTTCTCAAGCAAGGCCATGGTG  
 GTGAGGTTATCTCAGCCGTGTTTGACCGGAACAGCATAACCCTCAACCTCCAGCAGTCAACAGCATCAC  
 CTACGTCCTCCGCTTCTGGAGAACTCTGCCACAACCTTCGTAGTGACAATCTGTTTGGCAACCGCCC  
 TTTACACAGACTCACTTGTCACTCACTGCCATAGAGTACAGCCACAGCCACGACAGGTACCTACCAGGTG  
 AAACCTTTGCTCTGGGAATAGTCTGGCCCGCTCCTTGAACCACTCAGACTCAATGGACTCTGCCTC  
 AAATCCCACCAACCTTGTGAGCAGCTCCAAAAGGCACCGGCCCTTGCTTTCATCTGTGGCTCCACCA  
 AGCACTGCCTCAGCTGTGCGCAGGCTATGCTCCAGGGGTGGACCGGATACCTGGAGAGCCGCGATGCT  
 CTCGACTGAGTGGCCGGGACCCCTCCTCATGGACAGTCCGAGGATGTGATGCAGTTTGTCCGGGAAGCTGA  
 TCCTCAGCTTGGACCCACGCTGACCTGTTTCGCAAACACGAGATCGATGGCAAGGCCCTGCTGCTGTG  
 CGCAGTGACATGATGATGAAGTACATGGGCTGAAGCTGGGGCTGCACTCAAGCTCTCCTACCACATTG  
 ACCGGCTGAAGCAGGGCAAGTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC224680 representing NM\_012236  
 Red=Cloning site Green=Tags(s)

MQSYTPPSNEFKISMKLEAQDPRNTTSTCIATVVGLTGARLRRLDGSNDKNDWFRLVDSAEIQPIGNCE  
 KNGGMLQPPLGFRLNASSWPMFLKTLNGAEMAPIRIFHKEPPSPSHNFKMGMKLEAVDRKNPHFICPA  
 TIGEVRGSEVLVTFDWRGAFDYWCRFDSRDIFPVGWCSLTGDNLQPPGTKVVIKPNYPASDVNTEKPS  
 IHSSTKTVLEHQPGQRGRKPGKRGRTPKTLISHPISAPSKTAEPLKFPKRGKPGSKRKPRTLLNPPP  
 ASPTTSTPEPDTSTVPQDAATIPSSAMQAPTVCYILNKGSTGPHLDKVKVQQLPDHFGPARASVVLQQA  
 VQACIDCAYHQKTVFSFLKQGHGGEVISAVFDREQHTLNLPAVNSITYVLRFLKLEKLNLRSDNLFNGQP  
 FTQTHLSLTAIEYSHSHDRYLPGETFVLGNLSLARSLPHSDSMDASNPNTLVSTSQRRHPLLSSCGLPP  
 STASAVRRLCSRGSRYLESRDASRLSGRDPSSWTVEDVMQFVREADPQLGPHADLFRKHEIDGKALLLL  
 RSDMMMKYMLKLGPAKLSYHIDRLKQKGF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2718\\_e03.zip](https://cdn.origene.com/chromatograms/ja2718_e03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_012236

**ORF Size:** 1773 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_012236.4](#)

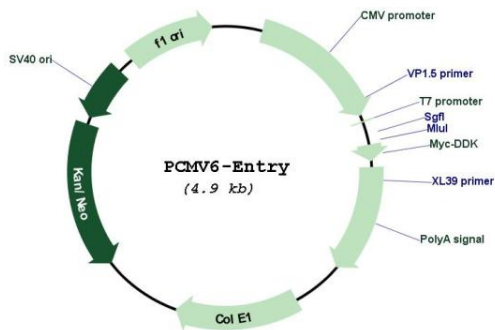
**RefSeq Size:** 3293 bp

**RefSeq ORF:** 1776 bp

**Locus ID:** 22955

UniProt ID:	<u>Q96GD3</u>
Cytogenetics:	1p34.2
Domains:	SAM, MBT
Protein Families:	Transcription Factors
MW:	65.5 kDa
Gene Summary:	Associates with Polycomb group (PcG) multiprotein complexes; the complex class is required to maintain the transcriptionally repressive state of some genes.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC224680