

## Product datasheet for **RG200193**

### SCMH1 (NM\_001031694) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCMH1 (NM_001031694) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCMH1
Synonyms:	Scml3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>RG200193 representing NM\_001031694  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGCTGGTTTGCTACAGTGTGTTAGCTTGTGAGATTCTCTGGACCTTCCCTGCTCCATCATGGGGTCAC  
CTCTAGGTCATTTTACCTGGGACAAATACCTAAAAGAAACATGTTCAAGTCCCAGCGCCTGTCCATTGCTT  
CAAGCAGTCTACACACCTCCAAGCAACGAGTTCAAGATCAGTATGAAATTGGAAGCACAGGACCCAGG  
AACACCACATCCACCTGTATTGCCACAGTAGTTGGACTGACAGGTGCCCGCCTTCGCTGCGCCTTGATG  
GGAGCGACAACAAAAATGACTTCTGGCGCTGGTTGACTCAGCTGAAATCCAGCCTATTGGGAACTGTGA  
AAAGAATGGGGTATGCTACAGCCACCTTTGGATTTGGCTGAATGCGTCTTCTTGCCCATGTTCTT  
TTGAAGACGCTAAATGGAGCAGAGATGGCTCCCATCAGGATTTTCCACAAGGAGCCACCATCGCCTTCCC  
ACAACCTTCTCAAATGGGAATGAAGCTAGAAGCTGTGGACAGGAAGAACCCTCATTTCATTGGCCAGC  
CACTATTGGGGAGGTTCCGGGCTCAGAGGTGCTTGTCACTTTTGTGATGGGTGGCGAGGGCCCTTTGACTAC  
TGGTGGCCGCTTCGACTCCCGAGACATCTCCCTGTGGGCTGGTGTTCCTTGACTGGAGACAACTGCAGC  
CTCCTGGCACAAAGTTGTGATTCAAAGAATCCCTATCCTGCCTCCGATGTGAATACTGAGAAGCCAG  
CATCCACAGCAGCACAAAACCTGCTTGGAACTCAACCAGGGCAGAGGGGGCGTAAACCAGGAAAGAAG  
CGGGGCGGACACCCAAGACCCTAATTTCCCATCCCATCTCTGCCCATCCAAGCAGCTGAACCTTTGA  
AATTTCCAAAGAAGAGAGGTCCCAAACCTGGCAGCAAGAGGAAACCTCGGACTTTGCTGAACCCACCACC  
TGCTCACCAACAACCAGCACTCCTGAACCGGATACCAGCACTGTACCCAGGATGTGCCACCATCCCC  
AGCTCAGCCATGCAGGCCCAACAGTTTGTATCTACTTGAACAAGAATGGCAGCACAGGCCCCCACTTAG  
ATAAGAAGAAGTCCAGCAACTCCCTGACCATTTTGGACCAGCCCGTGCCTCTGTGGTGTTCAGCAGGC  
TGTCCAGGCCTGTATCGACTGTGCTTATCACCAGAAAACCGTCTTCAGCTTCTCAAGCAAGGCCATGGT  
GGTGAGGTTATCTCAGCCGTGTTTGACCGGAACAGCATACCCTCAACCTCCCAGCAGTCAACAGCATCA  
CCTACGCTCCTCCGCTTCTGGAGAACTCTGCCACAACCTTCGTAGTGACAATCTGTTTGGCAACCAGCC  
CTTTACACAGACTCACTTGTCACTCACTGCCATAGAGTACAGCCACAGCCACGACAGGTACCTACCAGGT  
GAAACCTTTGCTCCTGGGGAATAGTCTGGCCGCTCCTTGGAAACCACACTCAGACTCAATGGACTCTGCCT  
CAAATCCCACCAACCTTGTGAGCCTCCCAAAGGCACCGGCCCTTGCTTTCATCTGTGGCCTCCCACC  
AAGCACTGCCTCAGCTGTGCGCAGGCTATGCTCCAGGGGAGTGTAAAAGGATCAAATGAAAGAAGGGAT  
ATGGAATCATTTTGGAACTAAATCGTTCCCAGGGTCGGACCGATACCTGGAGAGCCCGATGCCTCTC  
GACTGAGTGGCCGGGACCCCTCCTCATGGACAGTCCGAGGATGTGATGCAGTTTGTCCGGGAAGCTGATCC  
TCAGCTTGGACCCACGCTGACCTGTTTCGAAACACGAGATCGATGGCAAGGCCCTGCTGCTGCTGCGC  
AGTGACATGATGATGAAGTACATGGGCCTGAAGCTGGGGCCTGCACTCAAGCTCTCTACCACATTGACC  
GGCTGAAGCAGGGCAAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200193 representing NM\_001031694  
 Red=Cloning site Green=Tags(s)

MLVCYSVLACEILWDLPCSIMGSPLGHFTWDKYLKETCSVPAPVHCFKQSYTPPSNEFKISMKLEAQDPR  
 NTTSTCIATVVGLTGARLRLRLDGSNDKNDFWRLVDSAEIQPIGNCEKNGGMLQPPLGFRLNASSWPMFL  
 LKTLNGAEMAPIRIFHKEPPSPSHNFFKMGKLEAVDRKNPHFICPATIGEVRGSEVLVTFDGRGAFDY  
 WCRFDSRDIFPVGWCSLTGDNLQPPGTVVVPKNPYPASDVNTEKPSIHSSTKTVLEHQPGQRGRKPGKK  
 RGRTPKTLISHPISAPSKTAEPLKFPKKRGPKPGSKRKPRLLNPPASPSTTSTPEPDTSTVPQDAATIP  
 SSAMQAPTVCIYLNKNGSTGPHLDKKKVQQLPDHFGPARASVVLQAVQACIDCAYHQKTVFSFLKQGHG  
 GEVISA VFDREQHTLNLPVNSITYVLRFLKLEKLNLRSDNLFNGQPFTQTHLSLTAIEYSHSHDRYLPG  
 ETFVLGNLSARSLEPHSDSMSASNPTNLVSTSQRHRPLLSSCGLPPSTASAVRRLCSRGLKGSNERRD  
 MESFWKLNRSRPGSDRYLESRDASRLSGRDPSSWTVEDVMQFVREADPQLGPHADLFRKHEIDGKALLLLR  
 SDMMMKYMGKLGPAKLSYHIDRLKQGKF

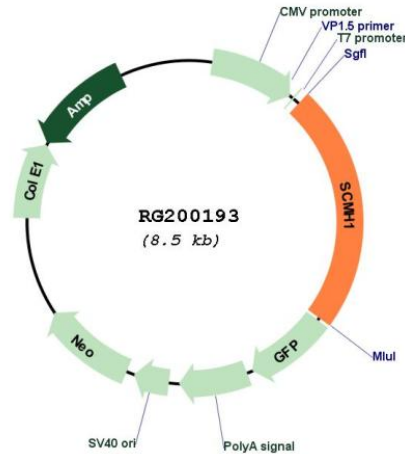
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



**Plasmid Map:**


**ACCN:** NM\_001031694

**ORF Size:** 1980 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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).

<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_001031694.2</a></u> , <u><a href="#">NP_001026864.1</a></u>
<b>RefSeq Size:</b>	3306 bp
<b>RefSeq ORF:</b>	1983 bp
<b>Locus ID:</b>	22955
<b>UniProt ID:</b>	<u><a href="#">Q96GD3</a></u>
<b>Cytogenetics:</b>	1p34.2
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	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]