

Product datasheet for **RG230147**

SCMH1 (NM_001172222) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCMH1 (NM_001172222) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG230147 representing NM_001172222
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGTCTACACACCTCCAAGCAACGAGTTC AAGATCAGTATGAAATTGGAAGCACAGGACCCAGGA
 ACACCACATCCACTGTATTGCCACAGTAGTTGACTGACAGGTGCCCGCTTCGCTGCGCCTTGATGG
 GAGCGACAACAAAAATGACTTCTGGCGGCTGGTTGACTCAGTGAATCCAGCCTATTGGGAACTGTGAA
 AAGAATGGGGTATGCTACAGCCACCTCTGTGTGATTCCAAAGAATCCCTATCCTGCCTCCGATGTGA
 ATACTGAGAAGCCAGCATCCACAGCAGCACAAAAGTCTTGGAAACATCAACCAGGGCAGAGGGGGCG
 TAAACCAGGAAAGAAGCGGGGCCGACACCAAGACCCTAATTTCCCATCCCATCTGCCCCATCCAAG
 ACAGCTGAACCTTTGAAATTCCAAAGAAGAGAGGTCCCAAACCTGGCAGCAAGAGGAAACCTCGGACTT
 TGCTGAACCCACCACCTGCCTACCAACAACAGCACTCTGAACCGGATACCAGCACTGTACCCAGGA
 TGCTGCCACCATCCCAGCTCAGCCATGCAGGCCCAACAGTTTGTATCTACTTGAACAAGATGGCAGC
 ACAGGCCCCCACTTAGATAAGAAGAAGGTCCAGCAACTCCCTGACCATTTTGACCAGCCCGTGCCTCTG
 TGGTGTTCGAGCAGGCTGTCCAGGCCTGTATCGACTGTGCTTATCACCAGAAAACCGTCTTCAGTTCCT
 CAAGCAAGGCCATGGTGGTGAAGTTATCTCAGCCGTGTTTGACCAGGAAACAGCATACCCTCAACCTCCCA
 GCAGTCAACAGCATCACCTACGTCCTCCGCTTCTGGAGAAACTCTGCCACAACCTTCGTAGTGACAATC
 TGTTTGGCAACCAGCCCTTTACACAGACTCACTTGTCACTCACTGCCATAGAGTACAGCCACAGCCACGA
 CAGGTACCTACCAGGTGAAACCTTTGCTCCTGGGGAATAGTCTGGCCCGCTCCTTGGAAACCACACTCAGAC
 TCAATGGACTCTGCCTCAAATCCCACCAACCTTGTGACACCTCCCAAAGGCACCGCCCTTGCTTTCAT
 CCTGTGGCCTCCCAACCAAGCACTGCCTCAGCTGTGCGCAGGCTATGCTCCAGGGGTCGGACCCGATACCT
 GGAGAGCCGCGATGCCTCTCGACTGAGTGGCCGGGACCCCTCCTCATGGACAGTCGAGGATGTGATGCAG
 TTTGTCCGGGAAGCTGATCCTCAGCTTGGACCCACGCTGACCTGTTTCGAAACACGAGATCGATGGCA
 AGGCCCTGCTGCTGCTGCGCAGTGACATGATGATGAAGTACATGGGCCTGAAGCTGGGGCCTGCACTCAA
 GCTCTCTACCACATTGACCGGCTGAAGCAGGGCAAGTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230147 representing NM_001172222
 Red=Cloning site Green=Tags(s)

MQSYTPPSNEFKISMKLEAQDPRNTTSTCIATVVGLTGARLRLRLDGSNDKDFWRLVDSAEIQPIGNCE
 KNGGMLQPPLVVIPKNYPASDVNTEKPSIHSSTKTVLEHQPGQRGRKPGKKRGRTPKTLISHPISAPSK
 TAEP LKFKKRGPKPGSKRKPRTLLNPPPASPTTSTPEPDTSTVPQDAATIPSSAMQAPTVCIIYLNKNGS
 TGPHLDK KKVQQLPDHFGPARASVVLQAVQACIDCAYHQKTVFSFLKQGHGGEVISA VFDREQHTLNLP
 AVNSITYVLRFLK LCHNLRSDNLFGNQPFQTHTLSLTAIEYSHSHDRYLPGETFVLGNSLARSLP HSD
 SMDASNPNTLVSTSQRHRPLLSSCGLPPSTASAVRRLCSRGSRYLESRDASRLSGRDPSSWTVEDVMQ
 FVREADPQLGPHADLFRKHEIDGKALLLLRSDMMMKYMLKLGPAKLSYHIDRLKQGKF

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001172222

ORF Size: 1440 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_001172222.2](#), [NP_001165693.1](#)

RefSeq Size: 2652 bp

RefSeq ORF: 1443 bp

Locus ID: 22955

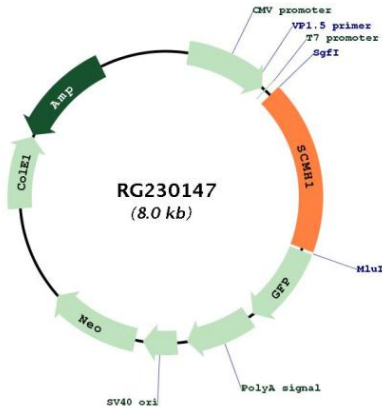
UniProt ID: [Q96GD3](#)

Cytogenetics: 1p34.2

Protein Families: Transcription Factors

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 RG230147