

Product datasheet for **RG224680**

SCMH1 (NM_012236) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCMH1 (NM_012236) 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:

>RG224680 representing NM_012236
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGTCTACACACCTCCAAGCAACGAGTTC AAGATCAGTATGAAATTGGAAGCACAGGACCCAGGA
 ACACCACATCCACTGTATTGCCACAGTAGTTG GACTGACAGGTGCCCGCTTCGCCTGCGCCTTGATGG
 GAGCGACAACAAAAATGACTTCTGGCGGCTGGTTGACTCAGTGAAATCCAGCCTATTGGGAACTGTGAA
 AAGAATGGGGTATGCTACAGCCACCTCTTGGATTTCGGCTGAATGCGTCTTCTTGGCCCATGTTCTTT
 TGAAGACGCTAAATGGAGCAGAGATGGCTCCCATCAGGATTTTCCACAAGGAGCCACCATCGCCTCCCA
 CAACTTCTCAAATGGGAATGAAGCTAGAAGCTGTGGACAGGAAGAACCCTCATTTTCAATTTGCCAGCC
 ACTATTGGGGAGTTTCGGGGCTCAGAGGTGCTTGTCACTTTTGTGGTGGCGAGGGGCTTTGACTACT
 GGTGCCGCTTCGACTCCCAGACATCTTCCCTGTGGGCTGGTGTCTTACTGGAGACAACCTGCAGCC
 TCCTGGCACCAAAGTTGTATTCAAAGAATCCCTATCCTGCCTCCGATGTGAATACTGAGAAGCCAGC
 ATCCACAGCAGCACAAAACCTGTCTTGGAACTCAACCAGGGCAGAGGGGGCGTAAACCAGGAAAGAAGC
 GGGGCCGACACCCAAGACCCTAATTTCCCATCCCATCTCTGCCCATCCAAGACAGCTGAACCTTTGAA
 ATTTCCAAAGAAGAGAGGTCCAAAACCTGGCAGCAAGAGGAAACCTCGGACTTTGCTGAACCCACCCT
 GCCTCACCAACAACCAGCACTCTGAACCGGATACCAGCACTGTACCCAGGATGCTGCCACCATCCCA
 GCTCAGCCATGCAGGCCCAACAGTTTGTATCTACTTGAACAAGAATGGCAGCACAGGCCCCCACTAGA
 TAAGAAGAAGTCCAGCAACTCCCTGACCATTTTGACCAGCCCGTGCCTCTGTGGTGTGCAGCAGGT
 GTCCAGGCCTGTATCGACTGTGCTTATCACCAGAAAACCGTCTTCAAGTCTCCCAAGCAAGGCCATGGTG
 CTAGGTTATCTCAGCCGTGTTTGACCGGGAACAGCATAACCCTCAACCTCCAGCAGTCAACAGCATCAC
 CTACGTCCTCCGCTTCTGGAGAACTCTGCCACAACCTTCGTAGTGACAATCTGTTTGGCAACCGCCC
 TTTACACAGACTCACTTGTCACTCACTGCCATAGAGTACAGCCACAGCCACGACAGGTACCTACCAGGTG
 AAACCTTTGCTCTGGGAATAGTCTGGCCGCTCCTTGGAAACCACTCAGACTCAATGGACTCTGCCTC
 AAATCCCACCAACCTTGTGAGCAGCTCCCAAAGGCACCGGCCCTTGCTTTCATCTGTGGCTCCCACCA
 AGCACTGCCTCAGCTGTGCGCAGGCTATGCTCCAGGGGTGGACCGATACCTGGAGAGCCGCGATGCT
 CTCGACTGAGTGGCCGGGACCCCTCCTCGTGGACAGTCCGAGGATGTGATGCAGTTTGTCCGGGAAGCTGA
 TCCTCAGCTTGGACCCACGCTGACCTGTTTCGAAACACGAGATCGATGGCAAGGCCCTGCTGCTGCTG
 CGCAGTGACATGATGATGAAGTACATGGGCCTGAAGCTGGGGCTGCACTCAAGCTCTCCTACCACATTG
 ACCGGCTGAAGCAGGGCAAGTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG224680 representing NM_012236
 Red=Cloning site Green=Tags(s)

MQSYTPPSNEFKISMKLEAQDPRNTTSTCIATVVGLTGARLRLRLDGSNDKNDFWRLVDSAEIQPIGNCE
 KNGGMLQPPLGFRLNASSWPMFLKTLNGAEMAPIRIFHKEPPSPSHNFFKMGMKLEAVDRKNPHFICPA
 TIGEVRGSEVLVTFDWRGAFDYWCRFDSRDIFPVGWCSLTGDNLQPPGTVVIVIPKNYPASDVNTEKPS
 IHSSTKTVLEHQPGQRGRKPGKKRGRTPKTLISHPI SAPSKTAEPLKFPKKRGPKPGSKRPRTLLNPPP
 ASPTTSTPEPDTSTVPQDAATIPSSAMQAPTVC IYLNKNGSTGPHLDKVVQQLPDHFGPARASVVLQQA
 VQACIDCAYHQKTVFSFLKQGHGGEVISAVFDREQHTLNLPAVNSITYVLRFLKLEKCHNLRSDNLFNGQP
 FTQTHLSLTAIEYSHSHDRYLPGETFVLGNSLARSLEPHSDSMDASNPNTLVSTSQRHRPLLSSCGLPP
 STASAVRRLCSRGSDRYLESRDASRLSGRDPSSWTVEDVMQFVREADPQLGPHADLFRKHEIDGKALLLL
 RSDMMMKYMKLKLGPALKLSYHIDRLKQKGF

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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_012236.2](#)

RefSeq Size: 3250 bp

RefSeq ORF: 1776 bp

Locus ID: 22955

UniProt ID: [Q96GD3](#)

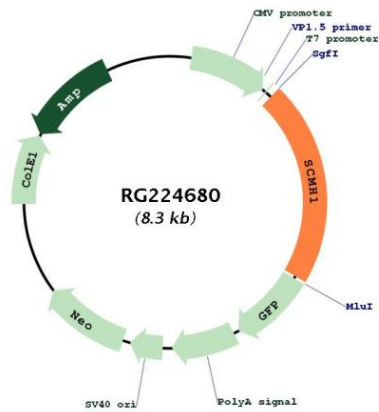
Cytogenetics: 1p34.2

Domains: SAM, MBT

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 RG224680