

Product datasheet for **MG216990**

Scmh1 (NM_013883) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scmh1 (NM_013883) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Scmh1
Synonyms:	AI315320; AI851618; Scml1; Scml3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG216990 representing NM_013883
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGGTTTGCTACAGTGTGTTAGCTTGTGAGAGTCTCTGGACCTTCCCTGCTCCATCATGGGGTCAC
CTCTAGGTCATTTTACCTGGGACAAATACCTAAAAGAAACATGTTTCAGTCCCAGCGCCTGTCCATTGCTT
CAAGCAGTCTACACACCTCCAAGTAATGAGTTCAAGATCAGCATGAAATTGGAAGCACAGGATCCCAGG
AACACCACATCCACCTGTATTGCCACGGTCTGGATTGACAGGTGCCGACTTCGTCGCGCTTGATG
GCAGTGACAACAAGAATGACTTCTGGAGACTGGTTGACTCCTCTGAAATCCAGCCAATTGGAAACTGTGA
GAAGAATGGCGGGATGCTGCAGCCCCCTAGGATTTTCGGCTGAATGCCTCCTCTGGCCCATGTTCCCTT
TTGAAGACTAAATGGAGCAGAGATGGCTCCCATCAAGATTTCCATAAGGAGCCACCACACCTTCCC
ACAACCTCTTCAAATGGGAATGAAGTTAGAAGCTGTAGACAGAAAGAACCCTCATTTCATTGGCCAGC
CACTATTGGAGAAGTTCGAGGCGCAGAAGTGTAGTACCTTTGATGGGTGGCGAGGCGCATTGACTAC
TGGTGGCGCTTTGACTCCCGGACATCTTCTGTGGGCTGGTGTCTTTGACTGGAGATAACCTGCAGC
CACCTGGCACAAAGTTGTGATTCAAAGAATCCGTCCCCTTCATCTGATGTGAGCACTGAGAAGCCAG
CATCCACAGCACAAAAGTGTCTTGAGCATCAGCCAGGGCAGAGGGGCCGAAACCAGGAAAGAAGCGG
GGCCGAACACCCAAGATCCTTATCCCCATCCCACCTCTACCCCATCCAAGTCAGCTGAACCTTTGAAAT
TTCAAAGAAGAGAGGTCCTCAAGCTGGCAGTAAGAGGAAACCTCGGACTTTGCTGAGCCCACCCAC
CTCACCAACAACCAGCACCCCTGAACGGACACCAGCACTGTTCTCAAGATGCTGCCACCGTCCAAGT
TCAGCCATGCAGGCCCCACAGTTTGTATCTACTTGAACAAGAGCGGCAGCAGCAGGCCCCACCTGGATA
AGAAGAAGATCCAACAACCTCCCTGACCATTTTGGGCCAGCCCGTGCCTCTGTGGTGTGCAGCAGGCTGT
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ACCTTTGCTGGGGAATAGCCTGGCCCGTCTTGGAGACACACTCAGACCTGATGGATTCTGCCTTGA
AGCCTGCCAACCTTGTGAGCACATCCAAAACCTTCGGACTCCTGGCTATCGGCCCTTGCTTCCCTCCTG
TGGCTCCCATTAAGCACTGTCTGCTGTGCGTAGGCTCTGCTCTAAGGGAGTGTTAAAAGGAAAAAAG
GAAAGAAGGGATGTGGAGTCATTTTGGAACTAAATCATTCCCCAGGGTCAGATCGACATCTGGAGAGCC
GAGATCCCCCTCGCTGAGTGGCCGGGACCCCTCCTCATGGACAGTGGAGGATGTGATGCAGTTTGTCCG
GGAAGCCGATCCTCAGCTTGATCCCATGCTGACCTTCCGAAAACATGAAATCGATGGCAAGGCCCTG
CTCCTGCTGCGCAGTGACATGATGATGAAGTACATGGGCTGAAGCTGGGGCCCGCCCTCAAGCTCTCCT
TTCACATTGACCGGTGAAGCAGGGCAAGTTC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216990 representing NM_013883
 Red=Cloning site Green=Tags(s)

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MLVCYSVLACESLWDLPCSIMGSPLGHFTWDKYLKETCSVPAPVHCFKQSYTPPSNEFKISMKLEAQDPR
NTTSTCIATVVGLTGARLRLRLDGSNDKNDFWRLVDSSEIQPIGNCEKNGMQLPPLGFRNLASSWPMFL
LKTNLNGAEMAPIKIFHKEPPSPSHNFFKMGMKLEAVDRKNPHFICPATIGEVARGAEVLVTFDQWRFADY
WCRFDSRDIFPVGWCSLTGDNLQPPGTVVIVIPKNPSPSSDVSTEKPSIHSTKTVLEHQPGQRGRKPGKRR
GRTPKILIPHTSTPSKSAEPLKFKPKRGPKPGSKRKPRTLSPPTPTTSTPEPDTSTVPQDAATVPS
SAMQAPTVCIIYLNKSGSTGPHLDKDKKIQQLPDHFGPARASVVLQQAQACIDCAYHQKTVFSFLKQGHGG
EVI SAVFDREQHTLNLPAVNSITYVLRFLLEKLNLRSDNLFNGQPFTQTHLSLTATEYNHNHNDRYLPE
TFVLGNSLARSLETHSDLMSALKPANLVSTSQLRTPGYRPLLSCGLPLSTVSAVRRLCSKGVLKGGK
ERRDVESFWKLNHSPGSDRHLESRDPPRLSGRDPSSWTVEDVMQFVREADPQLGSHADLFRKHEIDGKAL
LLLRSQMMMKYMLKLGPAKLKLSFHIDRLKQGGK
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TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1455_c06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013883

ORF Size: 1992 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_013883.2](#), [NP_038911.1](#)

RefSeq Size: 3394 bp

RefSeq ORF: 1995 bp

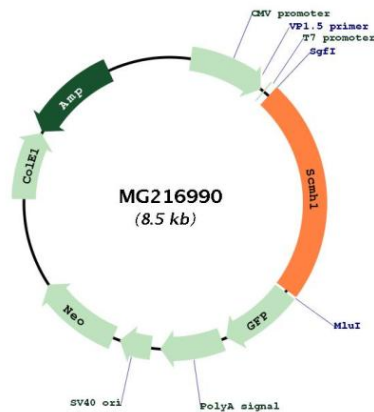
Locus ID: 29871

UniProt ID: [Q8K214](#)

Cytogenetics: 4 56.52 cM

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 MG216990