

Product datasheet for **RC230147**

SCMH1 (NM_001172222) Human Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RC230147 representing NM_001172222
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGTCTACACACCTCCAAGCAACGAGTTC AAGATCAGTATGAAATTGGAAGCACAGGACCCAGGA
 ACACCACATCCACTGTATTGCCACAGTAGTTG GACTGACAGGTGCCCGCTTCGCTGCGCCTTGATGG
 GAGCGACAACAAAAATGACTTCTGGCGGCTGGTTGACTCAGTGAAATCCAGCCTATTGGGAACTGTGAA
 AAGAATGGGGTATGCTACAGCCACCTCTGTGTGATTCCAAAGAATCCCTATCCTGCCTCCGATGTGA
 ATACTGAGAAGCCAGCATCCACAGCAGCACAAA AACTGTCTTGGAACATCAACCAGGGCAGAGGGGGCG
 TAAACCAGGAAAGAAGCGGGGCCGACACCCAAG ACCCTAATTTCCCATCCCATCTGCCCCATCCAAG
 ACAGCTGAACCTTTGAAATTCCAAAGAAGAGAGG TCCCAAACCTGGCAGCAAGAGGAAACCTCGGACTT
 TGCTGAACCCACCACCTGCCTACCAACAACCAGC ACTCCTGAACCGGATACCAGCACTGTACCCAGGA
 TGCTGCCACCATCCCAGCTCAGCCATGCAGGCC CAACAGTTTGTATCTACTTGAACAAGATGGCAGC
 ACAGGCCCCCACTTAGATAAGAAGAAGGTCCAGCA AACTCCCTGACCATTTTGACCAGCCCGTGCCTCTG
 TGGTGTTCGAGCAGGCTGTCCAGGCCTGTATCGA CTGTGCTTATCACCAGAAAACCGTCTTCAGTTCTCT
 CAAGCAAGGCCATGGTGGTGAGTTATCTCAGCCGT GTTTGACCGGGAACAGCATACCCTCAACCTCCCA
 GCAGTCAACAGCATCACCTACGTCCTCCGCTTCTC TGAGAAACTCGCCACAACCTTCGTAGTGACAATC
 TGTTTGGCAACCAGCCCTTTACACAGACTCACTTGT CACTCACTGCCATAGAGTACAGCCACAGCCACGA
 CAGGTACCTACCAGGTGAAACCTTTGCTCTGGGGA ATAGTCTGGCCCGCTCCTTGGAAACCACACTCAGAC
 TCAATGGACTCTGCCTCAAATCCCACCAACCTTGT CAGCACCTCCCAAAGCACCGGCCCTTGCTTTCAT
 CCTGTGGCCTCCCACCAAGCACTGCCTCAGCTGTG CCGCAGGCTATGCTCCAGGGGGCTGGACCCGATACCT
 GGAGAGCCGCGATGCCTCTCGACTGAGTGGCCGGG ACCCCTCCTCATGGACAGTCGAGGATGTGATGCAG
 TTTGTCCGGGAAGCTGATCCTCAGCTTGGACCCCA CGCTGACCTGTTTCGAAACACGAGATCGATGGCA
 AGGCCCTGCTGCTGCTGCGCAGTGACATGATGATG AAGTACATGGGCCTGAAGCTGGGGCCTGCACTCAA
 GCTCTCTACCACATTGACCGGCTGAAGCAGGGCAAG TTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230147 representing NM_001172222
 Red=Cloning site Green=Tags(s)

MQSYTPPSNEFKISMKLEAQDPRNTTSTCIATV VGLTGARLRLRLDGSNDKDFWRLVDSAEIQPIGNCE
 KNGGMLQPPLVVIPKNYPASDVNTEKPSIHSSTK TVLEHQPGQRGRKPGKKRGRTPKTLISHPISAPSK
 TAEPLKFKPKRGPKPGSKRKPRTLLNPPPASP TTSTPEPDTSTVPQDAATIPSSAMQAPTVCIIYLNKNGS
 TGPHLDKKVQQLPDHFGPARASVVLQAVQACIDC AYHQKTVFSFLKQGHGGEVISA VFDREQHTLNLP
 AVNSITYVLRFLKLEKLNLRSDNLFGNQPFTQ THLSLTAIEYSHSHDRYLPGETFVLGNSLARSLEPHSD
 SMDSASNPTNLVSTSQRHRPLLSSCGLPPSTAS AVRRLLCSRGSRYLESRDASRLSGRDPSSWTVEDVMQ
 FVREADPQLGPHADLFRKHEIDGKALLLLRSDMM MMYMGLKLGPAKLSYHIDRLKQGKF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8062_f07.zip

Restriction Sites:

Sgfl-Mlul

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 ORF: 1443 bp

Locus ID: 22955

UniProt ID: [Q96GD3](#)

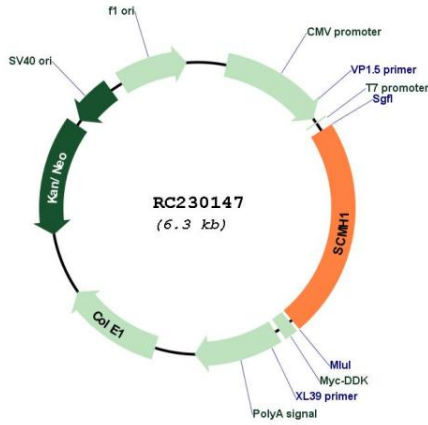
Cytogenetics: 1p34.2

Protein Families: Transcription Factors

MW: 53.4 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 RC230147