

Product datasheet for **SC328942**

SCMH1 (NM_001172218) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCMH1 (NM_001172218) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCMH1
Synonyms:	Scml3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001172218, the custom clone sequence may differ by one or more nucleotides

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ATGAAATTGGAAGCACAGGACCCCAGGAACACCACATCCACCTGTATTGCCACAGTAGTT
GGACTGACAGGTGCCCGCCTTCGCCTGCGCCTTGATGGGAGCGACAACAAAAATGACTTC
TGGCGGCTGGTTGACTCAGCTGAAATCCAGCCTATTGGGAAGTGTAAAAAGAAATGGGGT
ATGCTACAGCCACCTCTTGGATTTGGGTGAATGCGTCTTCTTGGCCCATGTTCCCTTTT
AAGACGCTAAATGGAGCAGAGATGGCTCCCATCAGGATTTCCACAAGGAGCCACCATCG
CCTTCCCACTTCTTCAAATGGGAATGAAGCTAGAAGCTGTGACAGGAAGAACCCT
CATTTCAATTTGCCAGCCACTATTGGGGAGGTTGCGGGCTCAGAGGTGCTTGTCATTTT
GATGGGTGGCAGGGGCTTTGACTACTGGTGCCGCTTCGACTCCCAGACATCTTCCCT
GTGGGCTGGTGTCTTGGTACTGGAGACAACCTGCAGCCTCCTGGCACAAAGTTGTGATT
CCAAAGAATCCCTATCCTGCCTCCGATGTGAATACTGAGAAGCCAGCATCCACAGCAGC
ACCAAACTGTCTTGAACATCAACCAGGGCAGAGGGGGCGTAAACCAGGAAAGAAGCGG
GGCCGGACACCAAGACCCTAATTTCCATCCCATCTCTGCCCATCCAAGACAGCTGAA
CCTTTGAAATTTCCAAAGAAGAGAGGTCCCAAACCTGGCAGCAAGAGGAAACCTCGGACT
TTGCTGAACCCACACCTGCCTACCAACAACCAGCACTCCTGAACCCGATACCAGCACT
GTACCCAGGATGCTGCCACCATCCCCAGCTCAGCCATGCAGGCCCAACAGTTTGTATC
TACTTGAACAAGAATGGCAGCACAGGCCCCACTTAGATAAAGAAGAAGGTCCAGCAACTC
CCTGACCATTTTGGACCAGCCGTCCTCTGTGGTGTGTCAGCAGGCTGTCCAGGCTGT
ATCGACTGTGCTTATCACCAGAAAACCGTCTTCAGCTTCTCAAGCAAGGCCATGGTGGT
GAGGTTATCTCAGCCGTGTTGACCGGGAACAGCATACCCTCAACCTCCCAGCAGTCAAC
AGCATCACCTACCTCCTCCGCTTCTGGAGAACTCTGCCACAACCTTCGTAGTGACAAT
CTGTTTGGCAACCAGCCCTTACACAGACTCACTTGTCACTCACTGCCATAGAGTACAGC
CACAGCCACGACAGGTACCTACCAGGTGAAACCTTTGCTCTGGGAATAGTCTGGCCCGC
TCTTGGAAACCACTCAGACTCAATGGACTCTGCCTCAAATCCCACCAACCTTGTGAGC
ACCTCCCAAAGGCACCGGCCCTTCTTTCATCCTGTGGCCTCCCACCAAGCACTGCCTCA
GCTGTGCGCAGGCTATGCTCCAGGGGTCGACCGGATACCTGGAGAGCCGCGATGCCTCT
CGACTGAGTGGCCGGACCCCTCCTCATGGACAGTCGAGGATGTGATGCAGTTTGTCCGG
GAAGCTGATCCTCAGCTTGGACCCACGCTGACCTGTTTCGAAACACGAGATCGATGGC
AAGGCCCTGCTGCTGCTGCGCAGTGACATGATGATGAAGTACATGGCCCTGAAGTGGGG
CCTGCACTCAAGCTCTCCTACCACATTGACCGGCTGAAGCAGGGCAAGTTCTGA

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Restriction Sites: Please inquire

ACCN: NM_001172218

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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:	<u>NM_001172218.1, NP_001165689.1</u>
RefSeq Size:	3364 bp
RefSeq ORF:	1734 bp
Locus ID:	22955
UniProt ID:	<u>Q96GD3</u>
Cytogenetics:	1p34.2
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) represents the longest transcript and encodes isoform c. Both variants 3 and 5 encode the same isoform.</p>