

## Product datasheet for **SC328785**

### SCMH1 (NM\_001172222) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCMH1 (NM_001172222) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCMH1
Synonyms:	Scml3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC328785 representing NM\_001172222.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCAGTCCTACACACCTCCAAGCAACGAGTTCAAGATCAGTATGAAATTGGAAGCACAGGACCCAGG
AACACCACATCCACCTGTATTGCCACAGTAGTTGGACTGACAGGTGCCCGCCTTCGCTGCGCCTTGAT
GGGAGCGACAACAAAAATGACTTCTGGCGGCTGGTTGACTCAGCTGAAATCCAGCCTATTGGGAAGTGT
GAAAAGAATGGGGGTATGCTACAGCCACCTCTTGTGTGATTCCAAGAATCCCTATCCTGCCTCCGAT
GTGAATACTGAGAAGCCAGCATCCACAGCAGCACAAAACCTGTCTTGGAAACATCAACCAGGGCAGAGG
GGGCGTAAACCAGGAAAGAAGCGGGGCCGACACCCAAGACCCTAATTTCCCATCCCATCTCTGCCCCA
TCCAAGACAGCTGAACCTTTGAAATTCCAAAGAAGAGAGGTCCCAAACCTGGCAGCAAGAGGAAACCT
CGGACTTTGCTGAACCCACCACCTGCCTACCAACAACCAGCACTCCTGAACCGGATACCAGCACTGTA
CCCCAGGATGCTGCCACCATCCCAGCTCAGCCATGCAGGCCCAACAGTTTGTATCTACTTGAACAAG
AATGGCAGCACAGGCCCCACTTAGATAAGAAGAAGGTCCAGCAACTCCCTGACCATTTTGGACCAGCC
CGTGCCTCTGTGGTGTTCGAGCAGGCTGTCCAGGCCTGTATCGACTGTGCTTATCACCAGAAAACGTC
TTCAGTTTCTCAAGCAAGGCCATGGTGGTGAGGTTATCTCAGCCGTGTTTGACCGGGAACAGCATAACC
CTCAACCTCCCAGCAGTCAACAGCATCACCTACGTCTCCGCTTCTGGAGAACTCTGCCACAACCTT
CGTAGTGACAATCTGTTTGGCAACCAGCCCTTTACACAGACTCACTTGTCACTACTGCCATAGAGTAC
AGCCACAGCCACGACAGGTACCTACCAGGTGAAACCTTTGTCTGGGGAATAGTCTGGCCCGCTCCTTG
GAACCACACTCAGACTCAATGGACTCTGCCTCAAATCCCACCAACCTTGTGAGCCTCCCAAAGGCAC
CGGCCCTTGCTTTCATCCTGTGGCCTCCCACCAAGCACTGCCTCAGCTGTGCGCAGGCTATGCTCCAGG
GGTCCGACCGATACCTGGAGAGCCGCGATGCCCTCGACTGAGTGGCCGGGACCCTCCTCATGGACA
GTCGAGGATGTGATGCAGTTTGTCCGGGAAGCTGATCCTCAGCTTGACCCACGCTGACCTGTTTCGC
AAACACGAGATCGATGGCAAGGCCCTGCTGCTGCTGCGCAGTGACATGATGATGAAGTACATGGCCCTG
AAGCTGGGCCTGCACTCAAGCTCTCTACCACATTGACCGGCTGAAGCAGGGCAAGTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001172222

**Insert Size:** 1443 bp

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001172222.2</a>
<b>RefSeq Size:</b>	2745 bp
<b>RefSeq ORF:</b>	1443 bp
<b>Locus ID:</b>	22955
<b>UniProt ID:</b>	<a href="#">Q96GD3</a>
<b>Cytogenetics:</b>	1p34.2
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	52.9 kDa
<b>Gene Summary:</b>	<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 (7) lacks three alternate exons and uses an upstream start codon, compared to variant 3. The exon combination of the 5' UTR has not been determined. The resulting isoform (f) has a longer N-terminus and lacks an internal segment, compared to isoform c.</p>