

Product datasheet for **SC302540**

SCMH1 (NM_001031694) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCMH1 (NM_001031694) 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: >SC302540 representing NM_001031694.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCTGGTTTGTACAGTGTTTTAGCTTGTGAGATTCTCTGGACCTTCCCTGCTCCATCATGGGGTCA
CCTCTAGGTCATTTTACCTGGGACAAATACCTAAAAGAAACATGTTTCAGTCCCAGCGCCTGTCCATTGC
TTCAAGCAGTCCACACCTCCAAGCAACGAGTTCAAGATCAGTATGAAATTGGAAGCACAGGACCCC
AGGAACACCACATCCACCTGTATTGCCACAGTAGTTGGACTGACAGGTGCCCGCCTTCGCCTGCGCCTT
GATGGGAGCGACAACAAAATGACTTCTGGCGGCTGGTTGACTCAGTGAATCCAGCCTATTGGGAAC
TGTAAAAGAATGGGGTATGCTACAGCCACCTTTGGATTTGGCTGAATGCGTCTTCTGGCCCATG
TTCCTTTGAAGACGCTAAATGGAGCAGAGATGGCTCCCATCAGGATTTCCACAAGGAGCCACCATCG
CCTTCCACAACCTTCTCAAATGGGAATGAAGCTAGAAGCTGTGGACAGGAAGAACCCTCATTTCATT
TGCCAGCCACTATTGGGAGGTTGGGGCTCAGAGGTGCTTGTCACTTTTGATGGGTGGCAGGGGCC
TTTACTACTGGTCCGCTTCGACTCCCGAGACATCTCCCTGTGGGCTGGTGTTCCTTGACTGGAGAC
AACCTGCAGCCTCTGGACCAAAGTTGTGATTCAAAGAATCCCTATCCCTGCCTCCGATGTGAATACT
GAGAAGCCAGCATCCACAGCAGCACAAAACGTCTTGGAAATCAACCAGGGCAGAGGGGGCGTAAA
CCAGGAAAGAAGCGGGGCCGGACACCCAAGACCCTAATTTCCCATCCCATCTGCCCCATCCAAGACA
GCTGAACCTTTGAAATCCCAAAGAAGAGAGTCCCAAACCTGGCAGCAAGAGGAAACCTCGGACTTTG
CTGAACCCACCACCTGCCTCACCAACAACCAGCACTCTGAACCGGATACCAGCACTGTACCCAGGAT
GCTGCCACCATCCCAGCTCAGCCATGCAGGCCCAACAGTTTGTATCTACTTGAACAAGAATGGCAGC
ACAGGCCCCACTTAGATAAGAAGAAGGTCCAGCAACTCCCTGACCATTTGGACCAGCCCGTGCCTCT
GTGGTGTTCAGCAGGCTGTCCAGGCTGTATCGACTGTGCTTATCACCAGAAAACCGTCTTCAGCTTC
CTCAAGCAAGGCCATGGTGGTGAGGTTATCTCAGCCGTGTTTGACCGGGAACAGCATACCCTCAACCTC
CCAGCAGTCAACAGCATCACCTACGTCCTCCGCTTCTGGAGAACTCTGCCACAACCTTCGTAGTGAC
AATCTGTTTGGCAACCAGCCCTTACACAGACTCACTTGTCACTCACTGCCATAGAGTACAGCCACAGC
CACGACAGGTACCTACCAGGTGAAACCTTTGTCCTGGGGAATAGTCTGGCCCGCTCCTTGGAAACCAC
TCAGACTCAATGGACTCTGCCTCAAATCCCAACACCTTGTGAGCACTCCCAAAGGCACCGCCCTTG
CTTTCATCTGTGGCCTCCACCAAGCACTGCCTCAGCTGTGCGCAGGCTATGCTCCAGGGGAGTGTTA
AAAGGATCAAATGAAAGAAGGGATATGGAATCATTTTGGAACTAAATCGTTCCCAGGGTCGGACCGA
TACCTGGAGAGCCGCGATGCCTCTGACTGAGTGGCCGGGACCCCTCCTCATGGACAGTCGAGGATGTG
ATGCAGTTTGTCCGGGAAGCTGATCCTCAGCTTGACCCACGCTGACCTGTTTCGAAAACAGGATC
GATGGCAAGGCCCTGCTGCTGCTGCGCAGTGACATGATGAAGTACATGGGCCTGAAGCTGGGGCCT
GCACTCAAGCTCTCTACCACATTGACCGGCTGAAGCAGGGCAAGTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001031694

Insert Size: 1983 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).
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_001031694.2</u>
RefSeq Size:	3358 bp
RefSeq ORF:	1983 bp
Locus ID:	22955
UniProt ID:	<u>Q96GD3</u>
Cytogenetics:	1p34.2
Protein Families:	Transcription Factors
MW:	73.4 kDa
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 (1) lacks an alternate exon and uses an upstream start codon, compared to variant 3. The resulting isoform (a) has a longer N-terminus, compared to isoform c.</p>