

Product datasheet for **SC115502**

SCMH1 (NM_012236) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCMH1 (NM_012236) 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)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_012236, the custom clone sequence may differ by one or more nucleotides

```

ATGCAGTCTACACACCTCCAAGCAACGAGTTC AAGATCAGTATGAAATTGGAAGCACAGGACCCAGGA
ACACCACATCCACTGTATTGCCACAGTAGTTGGACTGACAGGTGCCCGCCTTCGCCTGCGCCTTGATGG
GAGCGACAACAAAAATGACTTCTGGCGGCTGGTTGACTCAGTGAAATCCAGCCTATTGGGAAGTGTGAA
AAGAATGGGGGTATGCTACAGCCACCTCTTGATTTCGGCTGAATGCGTCTTCTTGCCCATGTTCCCTT
TGAAGACGCTAAATGGAGCAGAGATGGCTCCCATCAGGATTTTCCACAAGGAGCCACCATCGCCTCCCA
CAACTTCTTCAAATGGGAATGAAGCTAGAAGCTGTGGACAGGAAGAACCCTCATTTTCAATTTGCCAGCC
ACTATTGGGGAGGTTTCGGGGCTCAGAGGTGCTTGTCACTTTTGTGGGTGGCGAGGGGCTTTGACTACT
GGTGCCGCTTCGACTCCCAGACATCTTCCCTGTGGGCTGGTGTCTTGACTGGAGACAACCTGCAGCC
TCCTGGCACCAAAGTTGTGATTCCAAAGAATCCCTATCCTGCCTCCGATGTGAATACTGAGAAGCCAGC
ATCCACAGCAGCACCAAAGTGTCTTGGAAATCAACCAGGCGAGAGGGGCGTAAACCAGGAAAGAAGC
GGGGCCGACACCCAAGACCCTAATTTCCCATCCCATCTCTGCCCATCCAAGACAGCTGAACCTTTGAA
ATTCCAAAGAAGAGAGGTCCCAAACCTGGCAGCAAGAGGAAACCTCGGACTTTGCTGAACCCACCACCT
GCCTACCAACAACCCAGCACTCCTGAACCGGATACCAGCACTGTACCCAGGATGCTGCCACCATCCCA
GCTCAGCCATGCAGGCCCAACAGTTTGTATCTACTTTGAACAAGAATGGCAGCACAGGCCCCACTTAGA
TAAGAAGAAGGTCCAGCAACTCCCTGACCATTTTGGACCAGCCCGTGCCTCTGTGGTGTTCAGCAGGCT
GTCCAGGCTGTATCGACTGTGCTTATCACCAGAAAACCGTCTTCAGCTTCTCAAGCAAGGCCATGGTG
GTGAGGTTATCTCAGCCGTGTTGACCGGGAACAGCATACCCTCAACCTCCAGCAGTCAACAGCATCAC
TACGTCCTCCGCTTCTGGAGAACTCGCCACAACCTTCGTAGTGACAATCTGTTGGCAACCAGGCC
TTTACACAGACTCACTTGTCACTACTGCCATAGAGTACAGCCACAGCCACGACAGTACCTACCAGGTG
AAACCTTTGCTCCTGGGAATAGTCTGGCCGCTCCTTGGAAACCACACTCAGACTCAATGGACTCTGCCTC
AAATCCCACCAACCTTGTGAGCACCTCCCAAAGCACCGGCCCTTGTCTTTCATCTGTGGCTCCCAACA
AGCACTGCCTCAGCTGTGCGCAGGCTATGCTCCAGGGGTTCGACCGGATACCTGGAGAGCCGCGATGCCT
CTCGACTGAGTGGCCGGGACCCCTCCTCATGGACAGTTCGAGGATGTGATGCAGTTTGTCCGGGAAGCTGA
TCCTCAGCTTGGACCCACGCTGACCTGTTTCGCAAACACGAGATCGATGGCAAGGCCCTGCTGCTGCTG
CGCAGTGACATGATGATGAAGTACATGGGCTGAAGCTGGGGCTGCACTCAAGCTCTCCTACCACATTG
ACCGCTGAAGCAGGGCAAGTTCTGA
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012236 unedited

```

TTCACATATTTGTATACGACTTCACTATAGGGCGGCCGCGATTTCGGCACGAGGGTGAGCC
GCCCGCGCCCCCGCCGCGCCCTCAGATGGAGAAATTAGCATACAAGAAACTGACTTGT
CAGAAGTCAGAGCAAGGTATTGGTGGATCCAGGGATAAATCCCAAACCTTTAAACCCTA
GACCGTTTTTTAGTCCATTGACTATGCAGCCTAATGTGATAGACTGGAGTGATGTTAGAA
AACACAAATATGGTCACCTATCAGAGTCTGCATCCCAATATCAAGAAGCTGCTGACATCC
TGGATCTAGGGTTGTAAGAAGATTACATGAGCTAATGGATGTGAAAACATCTTAAAAAC
TCTCAAATACTTTCAACTTTGGAGGATTATTATGATTTTCACTTCTGTTTCAGCGCTATA
CTCAGACTTTACTCTAAAAGTCAAATCTTCTGACATTCTTTGAAGTGAAGCATTCTATGA
ATGTGAGCTGAAGAAATGAATGAAATGAAATAATGCAGTCTACACACCTCCAAGCAACG
AGTTCAAGATCAGTATGAAATTTGGAAGCACAGGACCCAGGAACACCACATCCACCTGTA
TTGCCACAGTAGTTGGACTGACAGGTGCCCGCCTTCGCCTGCGCCTTGATGGGAGCGACA
ACAAAAATGACTTCTGGCGGCTGGCTGACTCAGCTGAAATTCAGCCTATTGGGAAGTGTG
AAAAGAATGGNGGTATGCTACAGCCACCTTTGGATTTTCGGCTGAATGCCGTCTTCTTGG
CCCATGTTCTTTTGTAGACGCTTAAGGGAGCACAGATGCCTCCCATCACGATTTTCCAC
AGGAGCCACCATCGCCTTCCACAACCTTTTAAATGGGAATTGAACTAAAACCTGGGCCAG
AATAACCTTATTTATTTGCCCAACTATGGGGAGGTA
    
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_012236 unedited CGGCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTATCTATATTGGTCTTTTATT TATAAACAGATTGACATAAAATAAGTCCAGATGGCAGCGTGAGTAGCTGTGCTGCTGACT TGCTTACAAGGAAGCCTGTGGACAGGCGAGTGGGTGGAACCGACTCCAGCCTGGAAAACC TGCCCTCCCATCCCCCTTAGCGCCTTCTTGGCCTCCGGCCTGATTTTCTCGACAGCAG TTCTGGCCAGGGCAAGGAGCTGTGGTGGGGCAGTATAAGCCAGGGACTCCCTTCCCACA GATGAGGCTAGGGCTGCAAAAGGGCCCGTGAAGAGAGGAGAAGGTGACAGGGATCCTT CTCCTCCCATATGGAGTGATGGTCAAGGCTTTATGGGTCTCTCCACCTCAAAGAGAA AGTGCCCTAGGGTAGTGTCTCTGAAGAGGGGCCACGCCTATCTGCAGAGGGCCTCTCTG GGACCAAAGCAGGGCAGTCTCCCTCCTCTGAAACCCAGTGTCTAGTGTGGGAGGAGTAT TAACTACAGGGTTTGCCCAAGTCCAGAAAACAATAAATTAACAATAAGATCTTTTGTAA AAAAGGTAGAGTTTGCACCACGAGTTTGGATTGAGGGGAATCTGGTGAAGGTACGAG CTGTGGGGCGATGGGTGCCACAGCAAGAACAGGACAGAGTTGGCCTTTTCTCCATCAC GTGGAAGGCATTAGCCTAAACTCCTGGTGAAGAGCCAGCCAGGGTTGAGAAATAAATAG AGGGACCTTANAGCCCCGCGAGCTGATGGAAGAGCANACCAGCCCTGGACCCACTCT CCTNCTCATCCTTATGGAAGACTATCATGCANCTGTGCTAGGATGTGGCCTCACACAGCT CTGAGCCTGAGTGGNCGGACCCCTGAGGCCTGGGTGGCTGTGCCCTATCTGTAGAGCC CC
Restriction Sites:	NotI-NotI
ACCN:	NM_012236
Insert Size:	3240 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).
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:	NM_012236.1 , NP_036368.1
RefSeq Size:	3293 bp
RefSeq ORF:	1776 bp
Locus ID:	22955
UniProt ID:	Q96GD3
Cytogenetics:	1p34.2
Domains:	SAM, MBT

Protein Families: Transcription Factors

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]

Transcript Variant: This variant (2) includes an alternate exon with an upstream start codon, and includes an alternate in-frame exon in the 3' coding region, compared to variant 3. The exon combination of the 5' UTR has not been determined. The resulting isoform (b) has a longer N-terminus and includes an internal segment, compared to isoform c.