

Product datasheet for **SC328965**

SCMH1 (NM_001172221) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCMH1 (NM_001172221) 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_001172221, the custom clone sequence may differ by one or more nucleotides ATGAAATTGGAAGCACAGGACCCAGGAACACCACATCCACCTGTATTGCCACAGTAGTT GGACTGACAGGTGCCCGCCTTCGCCTGCGCCTTGATGGGAGCGACAACAAAAATGACTTC TGGCGGTGGTTGACTCAGCTGAAATCCAGCCTATTGGAACTGTGAAAAGAATGGGGT ATGCTACAGCCACCTCTGGATTTGGCTGAATGCGTCTTCTGGCCCATGTTCCCTTTG AAGACGCTAAATGGAGCAGAGATGGCTCCCATCAGGATTTCCACAAGGAGCCACCATCG CCTTCCCACTTCTTCAAATGGGAATGAAGCTAGAAGCTGTGGACAGGAAGAACCCT CATTTCAATTTGCCAGCCACTATTGGGGAGTTGCGGGCTCAGAGGTGCTTGTCATTTT GATGGGTGGCAGGGGCCTTTGACTACTGGTGCCGCTTCGACTCCCAGACATCTTCCCT GTGGGCTGGTGTCTTACTGGAGACAACCTGCAGCCTCCTGGCACAAAGTTGTGATT CCAAAGAATCCCTATCCTGCCTCCGATGTGAATACTGAGAAGCCAGCATCCACAGCAGC ACCAAACTGTCTTGAACATCAACCAGGGCAGAGGGGGCTAAACCAGGAAAGAAGCGG GGCCGGACACCAAGACCCTAATTTCCATCCCATCTCTGCCCATCCAAGACAGCTGAA CCTTTGAAATTTCCAAAGAAGAGAGGTCCCAAACCTGGCAGCAAGAGGAAACCTCGGACT TTGCTGAACCCACCACCTGCCTACCAACAACCAGCACTCCTGAACCGGATACCAGCACT GTACCCAGGATGCTGCCACCATCCCCAGCTCAGCCATGCAGGCCCAACAGTTTGTATC TACTTGAACAAGAATGGCAGCACAGGCCCCACTTAGATAAGAAGAAGGTCCAGCAACTC CCTGACCATTTTGGACCAGCCCGTGCCTCTGTGGTGTGTCAGCAGGCTGTCCAGGCCTGT ATCGACTGTGCTTATCACCAGAAAACCGTCTTCAGCTTCTCAAGCAAGGCCATGGTGGT GAGGTTATCTCAGCCGTGTTGACCGGGAACAGCATACCCTCAACCTCCCAGCAGTCAAC AGCATCACCTACCTCCGCTTCTGGAGAACTCTGCCACAACCTTCGTAGTGACAAT CTGTTTGGCAACCAGCCCTTACACAGACTCACTTGTCACTCACTGCCATAGAGTACAGC CACAGCCACGACAGGTACCTACCAGGTGAAACCTTTGCTCTGGGAATAGTCTGGCCCGC TCTTGGAAACCACTCAGACTCAATGGACTCTGCCTCAAATCCCACCAACCTTGTGAGC ACCTCCCAAAGGCACCGGCCCTTCTTTCATCCTGTGGCCTCCCACCAAGCACTGCCTCA GCTGTGCGCAGGCTATGCTCCAGGGGAGTGTAAAAGGATCAAATGAAAGAAGGGATATG GAATCATTTTGGAACTAAATCGTTCCCCAGGGTCCGACCGATACCTGGAGAGCCCGAT GCCTCTCGACTGAGTGGCCGGGACCCCTCCTCATGGACAGTCGAGGATGTGATGCAGTTT GTCCGGGAAGCTGATCCTCAGCTTGGACCCACGCTGACCTGTTTCGAAACACGAGATC GATGGCAAGGCCCTGCTGCTGCTGCGCAGTGACATGATGATGAAGTACATGGGCCTGAAG CTGGGGCCTGCACTCAAGCTCTCTACCACATTGACCGGCTGAAGCAGGGCAAGTTCTGA
Restriction Sites:	Please inquire
ACCN:	NM_001172221
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_001172221.1, NP_001165692.1</u>
RefSeq Size:	3245 bp
RefSeq ORF:	1800 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 (6) represents use of an alternate promoter and 5' UTR, lacks an alternate exon in the 5' UTR, and includes an alternate in-frame exon in the 3' coding region, compared to variant 3. The resulting isoform (e) includes an internal segment, compared to isoform c.</p>