

## Product datasheet for **MC220779**

### Scmh1 (NM\_001159630) Mouse Untagged Clone

#### Product data:

|                           |                                           |
|---------------------------|-------------------------------------------|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | Scmh1 (NM_001159630) Mouse Untagged Clone |
| Tag:                      | Tag Free                                  |
| Symbol:                   | Scmh1                                     |
| Synonyms:                 | AI315320; AI851618; Scml1; Scml3          |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-Entry (PS100001)                    |
| E. coli Selection:        | Kanamycin (25 ug/mL)                      |



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**Fully Sequenced ORF:** >MC220779 representing NM\_001159630  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTGGTTTGCTACAGTGTTTAGCTTGTGAGAGTCTCTGGACCTTCCCTGCTCCATCATGGGGTCA  
 CTCTAGGTCATTTTACCTGGGACAAATACCTAAAAGAAACATGTTTCAGTCCCAGCGCCTGTCCATTGCTT  
 CAAGCAGTCTACACACCTCCAAGTAATGAGTTCAAGATCAGCATGAAATTGGAAGCACAGGATCCCAGG  
 AACACCACATCCACCTGTATTGCCACGGTCTGGATTGACAGGTGCCGACTTCGTCGCGCTTGATG  
 GCAGTGACAACAAGAATGACTTCTGGAGACTGGTTGACTCCTCTGAAATCCAGCCAATTGGAAAATGTGA  
 GAAGAATGGCGGGATGCTGCAGCCCCCTAGGATTTTCGGCTGAATGCCTCCTCTGGCCCATGTTCTT  
 TTGAAGACTAAATGGAGCAGAGATGGCTCCCATCAAGATTTCCATAAGGAGCCACCACACCTTCCC  
 ACAACTTCTTCAAATGGGAATGAAGTTAGAAGCTGTAGACAGAAAGAACCTCATTTCATTGGCCAGC  
 CACTATTGGAGAAGTTTCGAGGCGCAGAAGTGTAGTACCTTTGATGGGTGGCGAGGCGCATTGACTAC  
 TGGTGGCGCTTTGACTCCCGGGACATCTTCTGTGGGCTGGTGTCTTTGACTGGAGATAACCTGCAGC  
 CACCTGGCACAAAGTTGTGATTCAAAGAATCCGTCCCCTTCATCTGATGTGAGCACTGAGAAGCCAG  
 CATCCACAGCACCAAACTGTCTTGGAGCATCAGCCAGGGCAGAGGGGCCGAAACCAGGAAAGAAGCGG  
 GGCCGAACACCCAAGATCCTTATCCCCATCCCACCTCTACCCATCCAAGTCAGCTGAACCTTTGAAAT  
 TTCAAAGAAGAGAGGTCCCAAGCTGGCAGTAAGAGGAAACCTCGGACTTTGCTGAGCCCACCCAC  
 CTCACCAACAACCAGCACCCCTGAACGGACACCAGCACTGTTCTCAAGATGCTGCCACCGTCCCAAGT  
 TCAGCCATGCAGGCCCCACAGTTTGTATCTACTTGAACAAGAGCGGCAGCACGGGCCCCACCTGGATA  
 AGAAGAAGATCCAACAACCTCCCTGACCATTTTGGGCCAGCCGTCCTCTGTGGTCTGCAGCAGGCTGT  
 CCAGGCTTGCATTGACTGTGCTTATCACAGAAAACCTGTCTTCAGCTTCCCAAACAGGGCCACGGCGGT  
 GAAGTCATTTTCAGCCGTGTTGACCAGGAAACAGCACACTCTGAACCTCCCAGCAGTCAACAGCATACCT  
 ATGTCCTCCGTTTCTGGAGAAGCTCTGCCACAACCTTGAAGTGACAATCTGTTTGGCAACCAGCCCTT  
 TACACAGACTCACTTATCACTCACTGCCACAGAGTATAATCACAAACCAGCAGGTACCTACCAGGTGAA  
 ACCTTTGCTGGGGAATAGCCTGGCCCGGCTTGGAGACACTCAGACCTGATGGATTCTGCCTTGA  
 AGCCTGCCAACCTTGTGAGCAGTCCCAAAACCTTCGGACTCCTGGCTATCGGCCCTGCTTCCCTCCTG  
 TGGCTCCCATTAAGCACTGTCTGCTGTGCGTAGGCTCTGCTAAGGGAGTGTAAAAGGAAAAAAG  
 GAAAGAAGGGATGTGGAGTCATTTTGGAACTAAATCATTCCCCAGGGTCAGATCGACATCTGGAGAGCC  
 GAGATCCCCCTCGCTGAGTGGCCGGGACCCCTCCTCATGGACAGTGGAGGATGTGATGCAGTTTGTCCG  
 GGAAGCCGATCCTCAGCTTGGATCCCATGCTGACCTTCCGAAAACATGAAATCGATGGCAAGGCCCTG  
 CTCTGCTGCGCAGTGACATGATGATGAAGTACATGGGCTGAAGCTGGGGCCCGCCCTCAAGCTCTCT  
 TTCACATTGACCGGCTGAAGCAGGTTTTTGGAAAGAGGGAGACCATCCTCTGGTCCAGAGAGGGCCTCTC  
 CAGAGAAGTGTGGCTATTTCAAGAAGACTGCCTAGGGCACTTCTTCTGGAATGGACAAAGTATTT  
 GGCTCACTGAGCAAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001159630

**Insert Size:** 2121 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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Components:</b>            | 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>                | <u>NM_001159630.1</u> , <u>NP_001153102.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>           | 2889 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq ORF:</b>            | 2121 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Locus ID:</b>              | 29871                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID:</b>            | <u>Q8K214</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Cytogenetics:</b>          | 4 56.52 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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 (2) lacks an alternate segment in the 3' coding region, compared to variant 1. The resulting isoform (2) has a longer and distinct C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p> |