

## Product datasheet for **MC222263**

### **Sfmbt1 (NM\_019460) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sfmbt1 (NM_019460) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sfmbt1
Synonyms:	4930442N21Rik; 9330180L21Rik; AA536974; Sfmbt; Smr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC222263 representing NM\_019460  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCGGGGAGCAGCAGCTTGATGCAGATCTGGGTCTGGTGTAGAAGTAGAAGAATTCAGCTGGGAAG  
 ATTATCTAGAAGAGACAGGCTCCACCACAGTCCCTACGCATCGTTTAAACATGTGGATATACGTTTGCA  
 AAATGGATTTGCTCCTGGGATGAAGCTGGAGGTAGCTCTGAAAAATGACCCTGAGACTTATTGGTTGCC  
 ACCATCATCACCGCCTGTGAGCAGTTGCTCCTGCTTCGTTATGAAGGCTATGGGGAAGACCGAAAAGCAG  
 ACTTCTGGTGTGACATCAGGAAAGCTGGCCTCTACCCATTGGGTGGTGTGAGCAGAACAAGAAGACCCCT  
 CGAAGCTCCAGAAGGCATCAGAGATAAAGTGTCTGATTGGAATGCATTCTACAGCAGACCCCTGATAGGA  
 GCCTGTGGTCTCCCGTGTCTGCTAGAGGGCCTCCGTAATGGAAGGAATCCTTTAGATCTCATTGCTC  
 CAGGGTCCAACTAGAATGCCAGGATTTTCGGGACTCTTAAAGCACTGGCTTGTACTGTTGTGGAGAA  
 CATTGGGGGACGGTTGAAGCTGCGGTATGAAGGCCTTGAGAGCCGTGACGTTTTGAACACTGGTTGTAT  
 TACTTAGATCCATTTCTCATCACATTGGTTGGGCTGCTCAGCAAGGATGTGACCTTCAGCCCCATTAG  
 CCATCAAACATCTGAAGAGTGAAGCTGACTGGCAAGAGATTTTGCCAAAGTGAAGAGGAAGAGCCATT  
 ACCCTCTACTTATTTAAGGATAAGCAAGTTATTGGAACCCATGAATTTCTATAAACATGAAGTTGGAA  
 GCTGTGGACCCGTGGTCTCCTTTGGGATTTCTCTGCAACGATTGCTAAGGTGTTTGTATGATAAGTACT  
 TTCTAGTGGAAATGGATGACCTTCGGCCAGAAGACCATAACAAGGCGATCATTGTGTGCCATGCTAACAG  
 TCCTGGTATCTTCTGTGCAGTGGAGTCTAAGAATGGTTTACATATCAATCCTCCTCCAGGCTCCGG  
 AGCCAGGACTTTGACTGGCCGACTACCTCAAGCAGTGTGGGGCTGAAGCTGCTCCCAGAAAGTCTTCC  
 CGCAGTCAATTTCTGAGCACCAATTTAAGGAAACATGAAACTGGAGGCGAGTGAACCTCTTTTCCCTGA  
 AGAAGTGTGCATTGCCACCGTTACTGCAGTGAGAGGCTCGTACCTGTGGCTCCAGCTAGAAGGTTCTAAG  
 AAGCCTGTACCCGAATTTATTGTAAGTGCAGAGTGCATGAATATATTTCTTTGGGCTGGTGTGAAACCA  
 ATGGCCATCCTCTCAGTACTCCTCGCCGGGCACGAGGGCATAAACTGAGGAAAATCGCAGTGGTTCAACC  
 AGAAAAACAAATACTGTCTTCAAGAAGTGTCCACGAGGGCCTGAAGAATCAGCTGAACTCTACCCACTCA  
 GTGATGATCAATGGAAAATACTGTTGTCCAAAGATATACTTCAACCACCGTTGCTTCTCAGGGCCATATC  
 TTAATAAAGGAAGAATTGCTGAGCTGCCTCAATGTGTGGGACCTGGGAACTGCGTCTGTTACTTAGAGA  
 GGTTCCTACTTTGCTTATCAACGCAGCATACAAACCCAGCCGCTCCTCCGTGAGCTCCAGCTGGACAAA  
 GACTCTGTGTGGCACGGATGTGGGAAGTCTAAAGGCCAAATATAAAGGAAAGAGTTACCGAGCTACTG  
 TTGAGATAGTGAGAACAGCAGACCGAGTACTGAATTCGCCGGCAAACATGCATCAAGCTGGAATGTTG  
 TCCCAACCTCTTTGGTCCACGCATGGTTCTGGATACATGTTCTGAGAATTGCTCTGTCTTACAAAAGACC  
 AAATACACGCACTATTATGGAAAGAAGAAAAATAAGAGAATTGGGAGGCCACCCGGTGGGCATAGTAATT  
 TATCTTGTGCCCTGAAAAAAGCAGTAAGAGGAGAAAAAGGCGGAAGAATATTTTGTTCATAAGAAGAA  
 GCGTCTTCTGCATCTGTTGACAATACCCCGTGGGCTCACCCAGGGAAGTGGGGTGAAGATGAGGAG  
 GATGCAGATGATGGAGACGAAGACTCCCTGACTGAGGGCAGTACATCCGAGCAGCAGGAGGAGTTGCAGG  
 AGGAGTCTGAGGTGTGAGAGAAAAATCTAGCTCCTCGTCTCCCACCCAGAGTGAACGCCACCCCTT  
 ACCCCAGACACGCAGACCAACAAGAGAGATGCCAGACCTCCTCCGTCTCAGACGATGAAAAACAAGCCT  
 CCTTACCAAAGGAAATAAGGATTGAAGTTGATGAAAGGCTTACCTGGACAGTAACCCACTGAAGTGGA  
 GTGTGGCCGATGTCGTGCGGTTTCATCAGGTCCACTGACTGTGCTCCGTTGGCAAGAATATTCCTTGATCA  
 GGAAATCGACGGGACGGCCCTTTGCTCCTTACCCTTCCACTGTTCAAGAGTGCATGGACTTAAAGTTG  
 GGCCCCGCCATCAAGCTTGGCCATCACATAGAGAGAATCAAGTTTGTCTTTTATGAGCAGTTTGCCAACT  
 GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_019460  
**Insert Size:** 2592 bp

<b>OTI Disclaimer:</b>	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>	<a href="#">NM_019460.2</a> , <a href="#">NP_062333.1</a>
<b>RefSeq Size:</b>	7694 bp
<b>RefSeq ORF:</b>	2592 bp
<b>Locus ID:</b>	54650
<b>UniProt ID:</b>	<a href="#">Q9JMD1</a>
<b>Cytogenetics:</b>	14 18.99 cM
<b>Gene Summary:</b>	<p>Histone-binding protein, which is part of various corepressor complexes. Mediates the recruitment of corepressor complexes to target genes, followed by chromatin compaction and repression of transcription. Plays a role during myogenesis: required for the maintenance of undifferentiated states of myogenic progenitor cells via interaction with MYOD1. Interaction with MYOD1 leads to the recruitment of associated corepressors and silencing of MYOD1 target genes. Part of the SLC complex in germ cells, where it may play a role during spermatogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) represents use of an alternate promoter and 5' UTR, compared to variant 1. Variants 1, 2, and 3 all encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>