

## Product datasheet for **SC300799**

### SFMBT1 (NM\_001005158) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SFMBT1 (NM_001005158) Human Untagged Clone
Tag:	Tag Free
Symbol:	SFMBT1
Synonyms:	RU1; SFMBT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

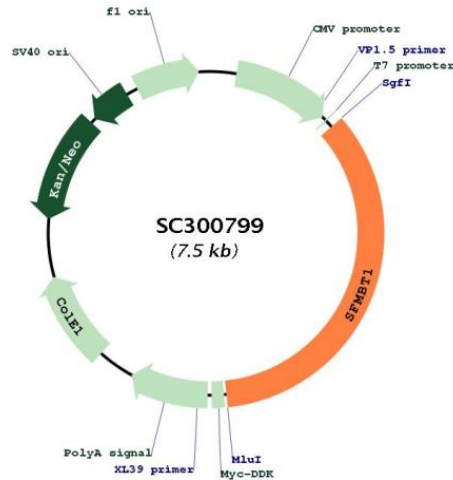


[View online »](#)

Fully Sequenced ORF: >SC300799 representing NM\_001005158.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACGGGGAGCAGCAGCTTGATGCAGATGCCGGCTCTGGTATGGAAGAGGTAGAATTAAGCTGGGAA
GATTATCTAGAAGAAACAGGGTCCACAGCAGTCCCTATGGGTCTTTAAACATGTGGACACACGTTTG
CAAAATGGATTTGCTCCTGGGATGAAGCTGGAGTGGCTGTGAGAACAGATCCTGAGACCTACTGGGTT
GCCACCGTTATCACTACCTGTGAGCAGTTGCTCCTTCTCCGCTATGATGGCTATGGGAGGATCGGAGA
GCAGATTTCTGGTGTGACATCAGGAAGGCTGATCTACCCCATGGGTGGTGTGAGCAGAATAAGAAG
ACCCTTGAAGCCCAGAAGGCATCAGAGATAAAGTATCTGACTGGGATGAGTTTCTGCGGCAGACCTG
ATAGGAGCATGTAGTCTCCTGTTCCGCTGCTAGAGGGCCTCCGTAATGGGAGGAATCCTTTAGATCTC
ATTGCTCCAGGATCCAGACTAGAATGTCAAGCTTCCAGGACTCTTAAGCACTGGATTGTTACTGTA
GTAGAAAACATTGGAGGAAGGCTGAAGCTACGTTATGAAGGACTTGAAAGTTCTGACAATTATGAACAT
TGTTGTATTACTTGGATCCATTTCTTCATCACGTTGGTTGGGCTGCTCAACAGGGATATGAGCTTCAG
CCCCCTCAGCCATTAGACATCTAAAAATGAAGCTGAGTGGCAAGAGATTTGGCCAAAGTGAAAGAG
GAAGAGGAAGAGCCATTACCATCTTACTTATTTAAGGACAACAAGTTATTGGCATTACATACATTCTCT
GTAACATGAAATTGGAAGCTGTAGACCCTGGTCTCCTTTTGGGATCTCTCCTGCTACAGTTGTTAAG
GTTTTTGTGAGAAGTACTTTCTGGTGGAAATGGATGACTTGGCTCCTGAGAACCACGCACGGCGATCC
TTTGTGTGCCACGCCGACAGTCTGGCATCTTCCCTGTGCAGTGGAGTCTGAAGAATGGCCTACACATC
AGCCCCCTCCAGGCTACCAAGCCAGGACTTTGACTGGGCTGACTACCTCAAACAGTGTGGTGTGAA
GCTGCTCCCAGAGGTGCTTCCCTCCGTTAATTTCTGAACATGAATTTAAGGAGAATCAAGGCTCGAG
GCGGTGAACCCCATTTCCCTGAAGAAGTGTGTGTTGCTACCACACTGCAGTGAAGGCTCCTCCTG
TGGCTCCAGCTGGAGGGTTCTAAGAAGCCTATACCTGAATGATTTGTGAGTGTGGAATCCATGGATATA
TTTCTTTGGGCTGGTGTGAAACCAACGCCACCCCTCAGCACTCCTCGCCGAGCAGGATATATAAA
CAGAGGAAAATTGCAGTGGTTCAGCCAGAAAACAAGTACCATCCTCGAGGACTGTCCACGAGGGCCTG
AGGAATCAGGAGCTGAATCCACAGAGTCAAGTATGATTAATGGAATAATTGCTGTCCAAAGATATAC
TTCAACCACCGTTGCTTCTCAGGGCCATATCTTAACAAAGGAAGAATTGCTGAGCTGCCTCAATGTGA
GGACCTGGAACTGTGTTCTGGTCTTAGAGAGGTCTCACTTTACTTATCAATGCAGCCTACAAACCC
AGCCGTGCTCCTCGGGAGCTCCAGCTGGACAAAGACTCTGTGTGGCAGGATGTGGGGAAGTCTAAAA
GCCAAATATAAAGGAAAGAGTTATCGGGCTACTGTTGAGATAGTAAAACAGCAGATCGGGTACTGAA
TTCTGCCGGCAAACCTGTATCAAACCTGGAATGCTGTCTAACCTCTTCGGTCCACGGATGGTTCTGGAT
AAGTGTCTGAGAACTGTTCTGTACTTACAAAGACCAAATACACACACTATTACGGAAAAGAAAAAT
AAAAGAATTGGGAGGCCACCTGGTGGGCATAGTAACTTAGCTTGTGCCCTGAAAAAGCCAGTAAGAGG
AGAAAGAGGGCGAAAAATGTTTTTGTTCATAAGAAGAAACGCTCCTCTGCATCTGTTGATAATACCCA
GCGGGCTCTCCCAGGGAAGTGGGGTGAAGATGAGGATGACCCAGATGAAGGGGATGATGATCCCTA
AGTGAAGGCAGTACATCCGAGCAGCAGGATGAGCTACAGGAAGAATCAGAAATGTCAGAAAAAAGTCA
TGCTCCTCTTCTCCACCCAAAGTGAGATATCCACATCGCTGCCTCCAGATAGACAAAGGAGAAAAAGG
GAGCTTCGCACCTTTTTCATTTTCTGACGATGAAAATAAACCTCCTCACCAAAGGAAATAAGGATCGAA
GTTGCTGAAAGGCTTACCTGGACAGTAACCCCTTGAAGTGGAGTGTGGCAGACGTTGTGCGGTTTATC
AGATCCACTGACTGTGCTCCATTAGCAAGAATATTCTAGACCAGGAAATTTGATGGGCAGCCCTGTTG
CTCCTTACCCTTCCACTGTTCAAGAATGCATGGACTTAAAATTTGGGCCCTGCCATCAAACCTTGGCAT
CACATAGAGAGGATCAAGTTTGTCTTTTATGAGCAGTTTGCCAACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001005158

**Insert Size:** 2601 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:**

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\\_001005158.2](#)

**RefSeq Size:** 4677 bp

**RefSeq ORF:** 2601 bp

**Locus ID:** 51460

**Cytogenetics:** 3p21.1

**Protein Families:** Transcription Factors

**MW:** 98.1 kDa

**Gene Summary:** This gene shares high similarity with the Drosophila Scm (sex comb on midleg) gene. It encodes a protein which contains four malignant brain tumor repeat (mbt) domains and may be involved in antigen recognition. [provided by RefSeq, Jun 2012]  
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same protein.