

Product datasheet for **RG201019**

SFMBT1 (NM_001005159) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFMBT1 (NM_001005159) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SFMBT1
Synonyms:	RU1; SFMBT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG201019 representing NM_001005159
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACGGGGAGCAGCAGCTTGATGCAGATGCCGGCTCTGGTATGGAAGAGGTAGAATTAAGCTGGGAAG
 ATTATCTAGAAGAAACAGGGTCCACAGCAGTTCCTATGGGTCTTTAAACATGTGGACACACGCTCTGCA
 AAATGGATTTGCTCCTGGGATGAAGCTGGAGGTGGCTGTGAGAACAGATCCTGAGACCTACTGGGTGCC
 ACCGTTATCACTACCTGTGAGCAGTTGCTCCTTCTCCGCTATGATGGCTATGGGAGGATCGGAGAGCAG
 ATTTCTGGTGTGACATCAGGAAGGCTGATCTACCCATTGGGTGGTGTGAGCAGAATAAGAAGACCCCT
 TGAAGCCCCAGAAGGCATCAGAGATAAAGTATCTGACTGGGATGAGTTTCTGCGGCAGACCCCTGATAGGA
 GCATGTAGTCTCCTGTTCCGCTGCTAGAGGGCCTCCGTAATGGGAGGAATCCTTTAGATCTCATTGCTC
 CAGGATCCAGACTAGAATGTCAAGCTTCCAGGACTCTTAAAGCACTGGATTGTTACTGTAGTAGAAAA
 CATTGGAGGAAGGCTGAAGCTACGTTATGAAGGACTTGAAGTTCTGACAATTATGAACATTGGTTGTAT
 TACTTGGATCCATTTCTCATCACGTTGGTTGGGCTGCTCAACAGGGATATGAGCTTCAGCCCCCTTCAG
 CCATTAGACATCTAAAAATGAAGCTGAGTGGCAAGAGATTTTGGCCAAAGTGAAAGAGGAAGAGGAAGA
 GCCATTACCATCTTACTTATTTAAGGACAAACAAGTTATTGGCATTACATACATTCTCTGTAACATGAAA
 TTGGAAGCTGTAGACCCCTGGTCTCCTTTTGGGATCTCTCCTGCTACAGTTGTTAAGGTTTTTGTGAGA
 AGTACTTTCTGGTGGAAATGGATGACTTGGCTCCTGAGAACACGCACGGCGATCCTTTGTGTGCCACGC
 CGACAGTCTGGCATCTCCCTGTGCAGTGGAGTCTGAAGAATGGCTACACATCAGCCCCCTCCAGGC
 TACCAAGCCAGGACTTGTACTGGGCTGACTACCTCAAACAGTGTGGTGTGAGCTGCTCCCAAGAGGT
 GCTTCCCTCCGTTAATTTCTGAACATGAATTTAAGGAGAACATGAAGCTCGAGGCGGTGAACCCATTCT
 CCTGAAGAAGTGTGTGTTGCTACCATCAGTGCAGTGCAGGCTCCTACCTGTGGCTCCAGCTGGAGGGT
 TCTAAGAAGCCTATACCTGAATGTATTGTGAGTGTGGAATCCATGGATATATTTCTTTGGGCTGGTGTG
 AAACCAACGGCCACCCCTCAGCACTCCTCGCGAGCACGAGTATATAAACAGAGGAAAATTGCAGTGGT
 TCAGCCAGAAAAACAAGTACCATCCTCGAGGACTGTCCACGAGGGCTGAGGAATCAGGAGCTGAACTCC
 ACAGAGTCAGTTATGATTAATGGAAAATATTGCTGTCCAAAGATATACTTCAACCACCGTTGCTTCTCAG
 GGCCATATCTTAACAAAGGAAGAATTGCTGAGCTGCCTCAATGTGTAGGACCTGGAACTGTGTTCTGGT
 CCTTAGAGAGTCTCACTTTACTTATCAATGCAGCCTACAAACCCAGCCGTGTCCTTCGGGAGCTCCAG
 CTGGACAAAGACTCTGTGTGGCAGGATGTGGGAAGTCTAAAAGCCAAATATAAAGGAAAGAGTTATC
 GGGCTACTGTTGAGATAGTGAACACAGCAGATCGGGTACTGAATTCGCCGGCAAACCTGTATCAAAC
 GGAATGCTGTCCCTAACCTCTTCGGTCCACGGATGGTTCTGGATAAGTGTCTGAGAACTGTTCTGTACTT
 ACAAGACCAAATACACACACTATTACGGAAAAGAAAATAAAAAGAAATGGGAGGCCACCTGGTGGGC
 ATAGTAACTTAGCTTGTGCCCTGAAAAAGCCAGTAAAGAGGAGAAAGAGGCGGAAAAATGTTTTTGTTC
 TAAGAAGAAACGCTCCTCTGCATCTGTTGATAATACCCAGCGGGCTCTCCCAGGGAAGTGGGGGTGAA
 GATGAGGATGACCCAGATGAAGGGGATGATGATCCCTAAGTGAAGGCAGTACATCCGAGCAGCAGGATG
 AGCTACAGGAAGAATCAGAAATGTCAGAAAAAAGTCAATGCTCCTTCTCCCACCAAAGTGAATATC
 CACATCGCTGCCTCCAGATAGACAAAGGAGAAAAAGGGAGCTTCGCACCTTTTCATTTTCTGACGATGAA
 AATAAACCTCCTTACCAAAGGAAATAAGGATCGAAGTTGCTGAAAGGCTTACCTGGACAGTAACCCCT
 TGAAGTGGAGTGTGGCAGACGTTGTGCGGTTTCATCAGATCCACTGACTGTGCTCCATTAGCAAGAATATT
 CCTAGACCAGGAAATGATGGGCAGGCCCTGTTGCTCCTTACCCTTCCCCTGTTCAAGAATGCATGGAC
 TAAAAATTGGCCCTGCCATCAAACCTTGGCCATCACATAGAGAGGATCAAGTTTGTCTTTTATGAGCAGT
 TTGCCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201019 representing NM_001005159
 Red=Cloning site Green=Tags(s)

MNGEQQLDADAGSGMEEVELSWEDYLEETGSTAVPYGSKFHKVDTRLQNGFAPGMKLEAVRTDPETYWVA
 TVITTCEQLLLRLYDGYEDRRADFWDIRKADLYPIGWCEQNKKTLEAPEGIRDKVSVDWDFLRQTLIG
 ACSPPVPLLEGLRNGRNPLDLIAPGSRLECAQFQDSLSTWIVTVVENIGGRLKLRVEGLESSDNYEHWLY
 YLDPFLHHVGVAAQQGYELQPPSAIRHLKNEAEWQEILAKVKEEEEEPLPSYLFKDKQVIGIHTFSVNMK
 LEAVDPWSPFGISPATVVKVFDEKYFLVEMDDLRPENHARRSFVCHADSPGIFPVQWSLKNGLHISPPPG
 YPSQDFDWADYLKQCGAEAAPQRCFPPLISEHEFKENMKLEAVNPILPEEVCVATITAVRGSYLWLQLEG
 SKKPIPECIVSVESMDIFPLGWCETNGHPLSTPRRARVYKQRKIAVVQPEKQVPSRTVHEGLRNQELNS
 TESVMINGKYCCPKIYFNHRCFSGPYLNKGRIAEQPQCVGPGNCVLVLEVLTLINAAYKPSRVLRELQ
 LDKDSVWHGCGEVLKAKYKGSYRATVEIVKTADRVTEFCRQTCIKLECCPNLFGPRMVLDKCSENCVSL
 TKKYTHYYGKKKNKRIGRPPGGHNLACALKKASKRRRKRKNVVFHKKRSSASVDNTPAGSPQSGGGE
 DEDDPDEGDDSLSEGSTSEQQDELQEESEMSEKKSCSSSPTQSEISTSLPPDRQRKRELRTFSFSDDE
 NKPPSPKEIRIEVAERLHLDNPLKWSVADVVRFIRSTDCAPLARIFLDQEIDGQALLLTLPTVQECMD
 LKLGPAIKLCHHIERIKFAFYEQFAN

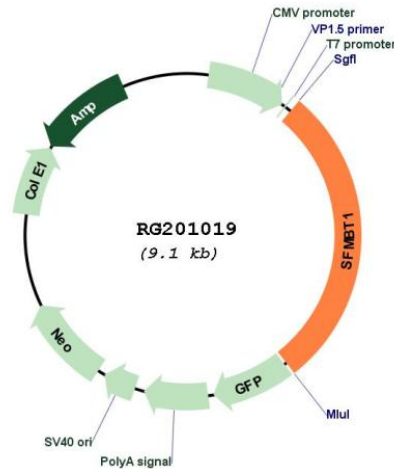
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001005159

ORF Size: 2598 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001005159.1](#), [NP_001005159.1](#)

RefSeq Size: 3712 bp

RefSeq ORF: 2600 bp

Locus ID: 51460

Cytogenetics: 3p21.1

Protein Families: Transcription Factors

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]