

Product datasheet for **RR201117**

Sfmbt1 (NM_031647) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sfmbt1 (NM_031647) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sfmbt1
Synonyms:	Sfmbt
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR201117 representing NM_031647
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGGCGAGCAGCAGCTTGATGCGATCTCGGGTCTGGTGTAGAAGTAGAGGAGTTCAGCTGGGAAG
 ATTATCTGGAAGAGACAGGCGCCACCACAGCTCCCTATGCATCGTTTAAACATGTGGATATATGTTTGCA
 AAGTGGGTTTGCCCTGGGATGAAGCTGGAGGTGGCTCTGAGGAAGGACCCTGAAACTTACTGGGTGGCC
 ACCGTCATTACGGCCTGTGAGCAGCTGCTCCTGCTCCGCTACGAAGGCTATGGGGAGGACCCTGGAAGGCAG
 ACTTCTGGTGGCAGATCAGGAGAGCTGGCCTTACCCCATCGGCTGGTGTGAGCAGAACAAGAAGACCTT
 CGAAGCTCCCGAAGGCATCAGAGATAAAGTGTCTGACTGGAGTGCATTCTACAGCGGACCCTGACAGGA
 GCCTGTGGTCCCCTGTGGCTCTGCTAGAGGGCCTCCGTAAACGGAAGGAATCCTTTAGATCTCATTGCTC
 CGGGATCCAGACTAGAATGCCAAGATTTTCGGGACTCTGTAAGCACGTGGATAGTTACTGTTGTGGAGAA
 CATTGGAGGACGGTTGAAGCTGCAGTATGAAGGACTTGAAGGCATGATGGTTTTGAACACTGGCTATAT
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 CCATCAGGCATCTGAAAAATGAAGCTGACTGGCAAGAGATTTTGGCCAGAGTGAAAGAGGAGGAGCCATT
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 CGCAGTCACTGTCTGAGCACCAAGTCAAGGAAACATGAAGCTGGAGGAGTGAACCTCTCTTCCCTGCA
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 GGTCTTACTTTGCTTATCAACGCAGCATAACAAGCCAGCCGTGCTCCTCCGAGAGCTCCAGCTGGACAAA
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 CCTTACCAAAGGAAATAAGAATTGAAGTTGATGAAAGGCTTACCTGGACAGTAACCCACTGAAGTGGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201117 representing NM_031647
Red=Cloning site Green=Tags(s)

MNGEQQLDADLGSGVEVEEF SWEDYLEETGATTAPYASFKHVDICLQSGFAPGMKLEVALRKPETYWVA
TVITACEQLLLLRYEGYGEDRKADFWCDIRRALYPIGWQCQNKKTLEAPEGIRDKVSDFLQRTLGTG
ACGPPVALLEGLRNGRNPLDLIAPGSRLECDFRDSVSTWIVTVVENIGGRKLYEGLERHDGFEHWLY
YLDPFLHHIGWAAQQGYELQPPLAIRHLKNEADWQEILARVKEEEPLPSYLFKDKQVIRTHEFSINMKLE
AVDPWSPFGISPATIAKVFDKYLVEIDDLRPEDHARRSFVCHANSPIFPVQWSLKNGLHINPPPGFR
SQDFDWADYLLKQCGAEAAPQKCFPQSVSEHQFKENMKLEAVNPLFPPEVSIATVTAVRGSYLLWQLEGSK
KPVPEFIVSVESMNIIFPLGWCETNGHPLSTPRRARGHKLKRIAVVQPEKQILSSRTVHEGLKNQLNSPHS
VMINGKYCCPKIYFNHRCFSGPYLNKGRIAEPLQCVGPGNCVLLREVL TLLINAAYKPSRVLRELQLDK
DSVWHGCGEVLKAKYKGSYRATVEIVRTADRVTEFCRQTCIKLECCPNLFGPRMVLDTCESENCVLT KT
KYTHYYGKKKNKRIGRPPGGHNSL SCALKKTSKRRKRRKNI FVHKKKRSSASVDNTPVGSPPQGGGEDED
DADDGDDDSLTEGSTSEQQDELHEESEVSEKKSCSPSTQSEMSTPLPDTQTDKREAQTSLS DGENKP
PSPKEIRIEVDERLHLSNPLKWSVADVVRF IRSTDCAPLARIFLDQEIDGQALLLTLPTVQECMDLKL
GPAIKLCHHIERIKFAFYEQFAN

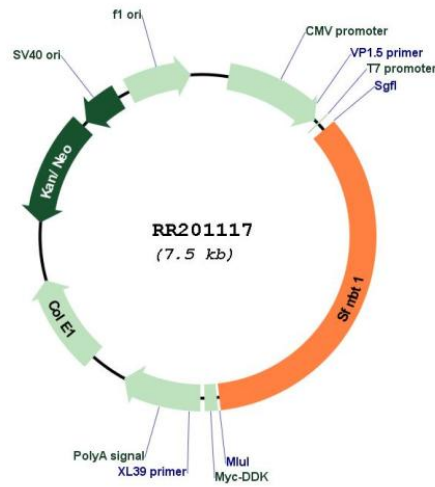
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_031647
ORF Size:	2589 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:	<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:	NM_031647.2 , NP_113835.2
RefSeq Size:	3321 bp
RefSeq ORF:	2592 bp
Locus ID:	58967
UniProt ID:	Q9JMD2
Cytogenetics:	16p16
MW:	97.5 kDa
Gene Summary:	a putative transcriptional repressor [RGD, Feb 2006]