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Product datasheet for RR209478

Satb1 (NM_001012129) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Satb1 (NM_001012129) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Satb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RR209478 representing NM_001012129
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATCATTTGAACGAGACAACTCAGGGGAAAGAGCATTCCGAAATGTCTAACAATGTGAGTGATCCGA
AGGGTCCGCCGGCCAAGATTGCCCGCCTGGAGCAGAACGGGAGCCCACTAGGAAGAGGAAGGCTTGGGAG
CACAGGTGGAAAGATGCAGGGAGTGCCTTTAAAACACTCGGGCCACCTCATGAAAACCAACCTTAGGAAA
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AGCATGCGGAATTTGTGTTGGTGAGGAAGGATATGCTTTTCAACCAGCTCATAGAGATGGCGTTGCTGTC
TCTGGGCTATTCACACAGCTCTGCTGCCCAAGCCAAAGGGCTCATCCAGGTTGGGAAGTGGAATCCAGTT
CCACTGTCGTATGTGACAGATGCCCCTGATGCCACAGTGGCAGACATGCTTCAGGATGTGTACCATGTGG
TCACTCTGAAAATCCAGCTGCACAGTTGCCCCAAACTAGAAGACTTGCCTCCTGAACAATGGTCCCACAC
CACAGTAAGGAATGCTCTGAAGGACTTACTGAAAGACATGAACCAGAGTTCGTTGGCCAAGGAGTGCCCC
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AAGAGTTTGGAAGGTGGTACAAACATTTCAAGAAGACAAAGGATATGATGGTTGAGATGGATAGTCTGTC
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CAGCCTCCGTCCCCTGCACAGCTCTCCCACGGCAGCCAGCCCTCTGTCCGGACCCCTCTTCCGAACCTGC
ACCCTGGGCTTGTGTCAACACCTATCAGTCCTCAGCTGGTCAACCAGCAGCTGGTGATGGCCCAGTTGCT
GAACCAGCAGTATGCAGTGAACAGACTCTTGGCCCAGCAGTCCTTAAACCAACAGTACTTGAACCACCCT
CCCCCTGTCAGTAGGTCTATGAACAAGCCTTTGGAGCAGCAAGTTTCCACCAACACCGAGGTCTCTTCCG
AAATCTACCAGTGGGTGCGGGATGAACTGAAACGAGCCGGAATCTCACAGGCAGTGTTTGCACGAGTGGC
TTTTAACAGAACTCAGGGATTGCTTTCTGAAATCCTCCGCAAGGAAGAGGACCCCAAGACTGCATCCCAG
TCTCTGCTGGTAAACCTTCGGGCTATGCAGAATTTCTTACAGTTGCCAGAAGCTGAAAGAGACCGGATAT
ACCAGGATGAGAGGGAAAGGAGCTTGAACGCAGCCTCCGCCATGGGGCCTGCCCCGCTGCTGAGCACGCC
ACCCAGCCGCCCTCCTCAGGTGAAAACAGCTACCCTCGCCACTGAGAGGAATGGGAAGCCAGAGAACAAT
ACTATGAACATTAACGCCTCCATTTATGACGAGATTCAGCAGGAAATGAAGCGTGCTAAAGTGTCCCAAG
CACTGTTTGCAAAGGTTGCTGCCACAAAAAGCCAGGGATGGCTGTGCGAGCTGCTGCGCTGGAAAGAAGA
CCCTTCTCCAGAAAACAGAACCCTGTGGGAGAACCTGTCAATGATCCGAAGATTCCTCAGTCTGCCTCAG
CCTGAGCGCGATGCCATCTATGAGCAGGAGAGCAATGCCGTGCATCACCATGGCGACAGGCCTCCCCACA
TCATCCATGTTCCAGCGGAACAGCTTCAGCAGCAGCAGCAGCAGCAGCAGCAACAGCAGCAGCAACAGCA
GCCACCGCCACCACCTCCACAGCCACAGCCACAGCCCCAGGCAGGCCCCAGGCTCCCACCCCGGCAGCCC
ACCGTGGCCTCCTCTGCAGAGTCCGATGAGGAAAACCGGCAGAAGACCAGGCCACGAACCAAAATTTCCG
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GACCCTGTCGGCGCAGCTGGACCTCCCGAAGTACACCATCATCAAGTTCTTTCAGAACCAGCGGTACTAC
CTTAAGCACCACGGCAAGCTGAAGGACAACTCCGGCTTGGAGGTGGATGTGGCTGAGTACAAAGATGAGG
AGTTGCTTAAGGATTTGGAGGAGAGCGTCCAGGATAAAAACGCCAACACCCTTTTTTCGGTGAAACTAGA
GGAAGAGCTATCCGTGGAAGGGAGCACAGACATTAATGCCGACCTGAAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

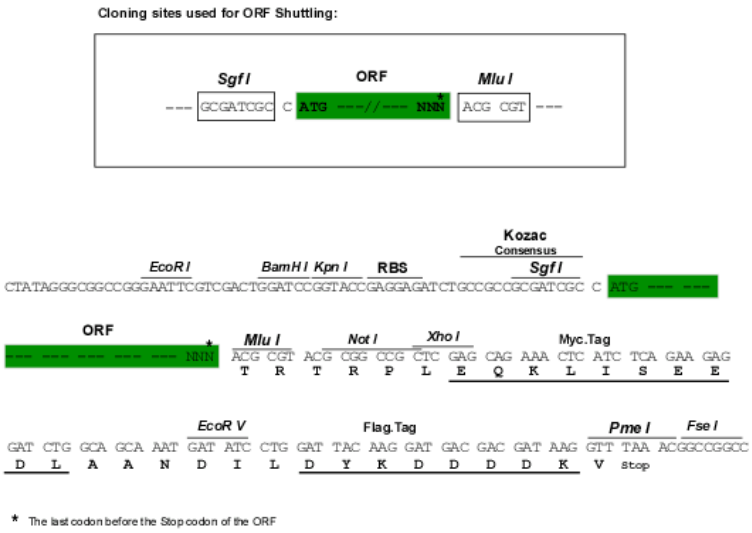
>RR209478 representing NM_001012129
Red=Cloning site Green=Tags(s)

MDHLNETTQGKEHSEMSNNVSDPKGPPAKIARLEQNGSPLGRGRLGSTGGKMQGVPLKHSGHLMKTNLRK
GTMLPVFCVVEHYENAIEYDCKEEHAEFVLVRKDMLFNQLIEMALLSLGYSHSSAAQAKGLIQVGKWNPV
PLSYVTDAPDATVADMLQDVYHVVTLKIQLHSCPKLEDLPPEQWSHTTVRNALKDLLKDMNQSSLAKECP
LSQSMISSIVNSTYYANVSAAKCQEFGRWYKHFKKTKDMMVEMDSLSELSQQGANHVNFGQQPVPGNTAE
QPPSPAQLSHGSQPSVRTPLPNLHPGLVSTPISPQLVNQQLVMAQLLNQQYAVNRLLAQQSLNQQYLNHP
PPVSRSMNKPLEQQVSTNTEVSSEIYQWVRDELKRAGISQAVFARVAFNRTQGLLSEILRKEEDPKTASQ
SLLVNLRAMQNFLQLPEAERDRIYQDERERSLNAASAMGPAPLLSTPPSRPPQVKTATLATERNGKPENN
TMNINASIYDEIQQEMKRAKVSQALFAKVAATKSQGWLCELLRWKEDPSPENRTLWENLSMIRRFLSLPQ
PERDAIYEQESNAVHHHGDRPPHIIHVPAEQLQQQQQQQQQQQQQQQPPPPPQPQPQPQAGPRLPPRQP
TVASSAESDEENRQKTRPRTKISVEALGILQSFIQDVGLYPDEEAIQTLSAQLDLPKYTIIKFFQNQRYY
LKHHGKLKDNSGLEVDVAEYKDEELLKDLEESVQDKNANTLFSVKLEEELSVEGSTDINADLKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001012129

ORF Size: 2292 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_001012129.2, NP_001012129.1

RefSeq Size: 3001 bp

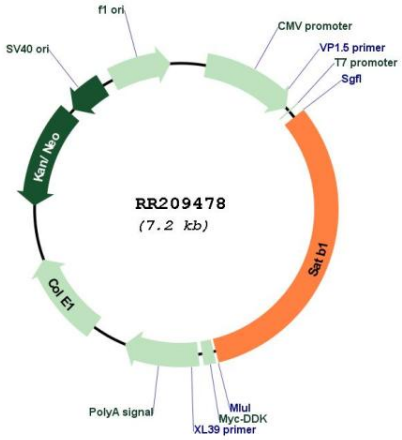
RefSeq ORF: 2295 bp

Locus ID: 316164

Cytogenetics: 9q11

MW: 85.9 kDa

Product images:



Circular map for RR209478