

Product datasheet for **RR217493**

Srebf1 (NM_001276707) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Srebf1 (NM_001276707) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Srebf1
Synonyms: ADD-1; ADD1; SREBP-1; SREBP-1c; Srebp1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217493 representing NM_001276707
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGGACGAGCTACCCCTTCGGTGAGGCGGCTCTGGAACAGGCACTGGCCGAGGTGTGCGAAATGGACGCGG
CGCTCTTGACCGACATCGAAGACATGCTTCAGCTCATCAACAACCAAGACAGTGACTTCCCTGGCCTATT
TGATGCCCCATGCTGGGGGTGAGACAGGAGACACAGGCCCCAGCAGCCCTGGTGCCAGCTCTCCTGAG
AGCTTCTCTTCTCCTGCTTCTCTGGGCTCCTCTCTGGAAGCCTTCTGGGAGGACCAAGGTGACACCTG
CACCCCTGTCCCCTCCACCATCGGCACCCACTGCTGTAAGATGTACCCGTCCGTGCCCCCTTCTCCCC
TGGGCTTGGAAATCAAAGAGGAGCCAGTGCCACTCACCATCCTGCAGCCCCAGCACCACAGCCATCGCCA
GGGACCCCTGTTGCCTCCGAGCTTCCCTCCTCCACTGTGCAGCTCAGCCCTGCTCCTGTGCTGGGGTACT
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GGGCTCCACGCCAGGAATCTCGCCACCCCTTACACACCCAGGTCCAGAGCTCGGCCGCCAGCAGCCG
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TCAAGCAGGAGAACCTGACCCTGCGAAGTGTCCACAAAAGCAAATCACTGAAAGACCTGGTGTGAGCTTG
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CTGGGCGCAGCATGCTGGAGGCCGAGAGCAGAGATGGCTCTAATTGGACCCAGTGGTTGCTGCCACCCCT
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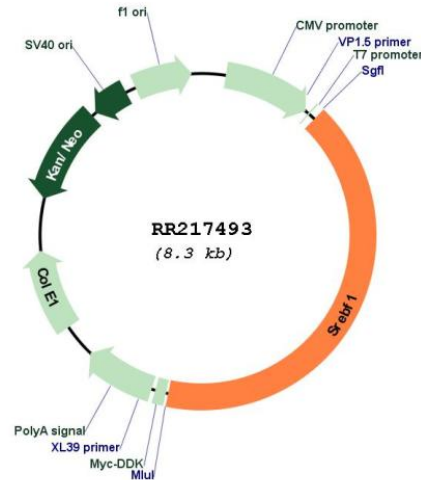
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217493 representing NM_001276707
 Red=Cloning site Green=Tags(s)

MDELPFGEAALEQALAEVCEMDAALLTDIEDMLQLINNQDSDFPGLFDAPYAGGETGDTGPSSPGASSPE
 SFSSPASLGSLEAFLGGPKVTPAPLSPPPSAPTAVKMYPSVPPFSPGPGIKEEPVPLTILQPPAPQPSP
 GTLLPPSFPPPPVLSPAPVLGYSSLPSGFSGLTLPNGTQQTPSSLPLGSTPGISPTPLHTQVQSSAAQPP
 PPASAAPRMSTVASQIQVVPVQLPHFIKADSLLLTAVKTDGTATMKTAGINTLAPGTAVQAGPLQTLVS
 GGTILATVPLVVDTKLPIHRLAAGGKALGSAQSRGEKRTAHNAIEKRYRSSINDKIVELKDLVVGTEAK
 LNKSAVLRKAIDYIRFLQHSNQKLLQENLTLRSAHKSLSKDLVSACGSGGGTDVSMEGMKPEVVETLTP
 PPSDAGSPSQSSPLSLGSRGSSSGSDSEPSPAFEDNQVKAQRLPSSHRSMLDRSRLALCVLVFLCLTC
 NPLASLFGWGILTPSDASGVHRSSGRSMLAEASRDGSNWTQWLLPPLVWLANGLLVLACLALLFVYGEV
 TRPHSGPAVHFWRHRKQADLDLARGDFAQAAQQLWALQALGRPLPTSNLDLACSLLNWLVRHLLQRLWV
 GRWLAGQAGGLQRDYRLRKDARASARDAVVYHKLHQLHAMGKYTGHLVSNLALSNLNAECAGDAIS
 MATLAEIYVAAALRVKTSLPRALHFLTRFFLSSARQACLAQSGAVPLAMQWLCHPVGHRFFVDGDWAVHG
 APQESLYSVAGNPVDPLAQVTRLFCEHLLERLNCIAQPSPGAADGDFSDALGYLQLNSCSDAVGAP
 ACSFVSSSMATTTGTDPAKWWASLTAVVIHWLRRDEEAAERLYPLVEHIPQVLQETERLPRALYSF
 KAARALLDHRKVESSPASLAICEKASGYLRDSLSTASTASSIDKAMQLLLCDLLLARTSLWRRQQSAAS
 AQGAHGTSNGPQASALELRGFQHDLSLRLRAQSFRPAMRRVFLHEATARLMAGASPARTHQLLDRSLRR
 RAGSSGKGGAAAELEPRPTWREHTEALLASCYLPAPFLSAPGQRVSMLEAARTVEKLDGHRLLLDCCQ
 MLLRLGGGTTVTSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Plasmid Map:


ACCN: NM_001276707

ORF Size: 3402 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_001276707.1](#), [NP_001263636.1](#)

RefSeq Size: 4377 bp

RefSeq ORF: 3405 bp

Locus ID: 78968

UniProt ID: [P56720](#)

Cytogenetics: 10q22

MW: 120.5 kDa

Gene Summary: transcription factor; binds to the sterol regulatory element 1; regulates the transcription of genes important for sterol biosynthesis [RGD, Feb 2006]