

Product datasheet for RN217493

Srebf1 (NM_001276707) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Srebf1 (NM_001276707) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Srebf1
Synonyms:	ADD-1; ADD1; SREBP-1; SREBP-1c; Srebp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217493 representing NM_001276707 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGAGCTACCCTTCGGTGAGGCGGCTCTGGAACAGGCACTGGCCGAGGTGTGCGAAATGGACGCGG
CGCTCTTGACCGACATCGAAGACATGCTTCAGCTCATCAACAACCAAGACAGTGACTTCCCTGGCCTATT
TGATGCCCCCTATGCTGGGGGTGAGACAGGAGACACAGGCCCCAGCAGCCCTGGTGCCAGCTCTCCTGAG
AGCTTCTCTTCTCCTGCTTCTCTGGGCTCCTCTCTGGAAGCCTTCTCTGGGAGGACCAAGGTGACACCTG
CACCTTGTCCCCTCCACCATCGGCACCCACTGCTGTAAGATGTACCCGTCGGTCCCCCTTCTCCCC
TGGGCCTGGAATCAAAGAGGAGCCAGTGCCACTACCATCCTGCAGCCCCAGCACCACAGCCATCGCCA
GGGACCCTGTTGCTCCGAGCTTCCCTCCTCCACTGTGCAGCTCAGCCCTGCTCCTGTGCTGGGGTACT
CAAGCCTGCCTTCGGCTTCTCAGGAACCTTCTGGGAACACCCAGCAGACGCCATCTAGCCTGCCACT
GGGCTCCACGCCAGGAATCTCGCCACCCCTTACACACCCAGGTCCAGAGCTCGGCCGCCAGCAGCCG
CCGCCAGCCTCAGCAGCCCTAGAATGAGCACTGTGGCTCACAGATCCAGCAGGTCCCCGTTGTACTGC
AGCCCACTTCATCAAGGCAGACTCGTGCTGTGACAGCTGTAAGACAGACACAGGAGCCACAATGAA
GACCGCAGGCATCAACACCCTGGCTCCTGGCACAGCCGTGCAGGCAGGCCCTTGCAGACCCTGGTGAGT
GGAGGGACCATCTGGCCACAGTACCCTGGTTGTGGACACAGACAACTGCCATCCACCGACTAGCAG
CTGGTGGCAAGGCCCTGGGCTCAGCTCAGAGCCGTGGTGAGAAGCGCACAGCCCACAATGCCATTGAGAA
GCGCTACCCTTCTCTATCAATGACAAGATTGTGGAGCTCAAGGACCTGGTGGTGGGCACTGAGGCAAAG
CTGAATAAATCTGCTGTCTTGCGCAAGGCCATCGACTACATCCGCTTCTTACAGCACAGCAACCAGAAAAC
TCAAGCAGGAGAACCTGACCCTGCGAAGTGCTCACAAAAGCAAATCACTGAAAGACCTGGTGTGAGCTTG
TGGCAGTGGAGGAGGCACAGATGTGTCTATGGAGGCATGAAACCTGAAGTGGTAGAAACCTGACCCCT
CCACCCTCAGACGCCGGCTCACCTCCCAGAGTAGCCCTTGTCTTGGGACGACAGGCAGCAGCAGTGT
GTGGCAGTGACTCTGAGCCCAGAGCCAGCCTTTGAGGATAACCAGGTGAAAGCCAGCGGCTGCCTTC
ACATAGCCGAGGCATGCTGGACCCTCCGCTGGCCCTGTGTACTGGTCTTCTGTGCTGACTGCTG



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AACCCATTGGCCTCACTGTTTGGCTGGGGCATCCTCACTCCCTCTGATGCCTCGGGTGTGCACCGTAGTT
 CTGGGCGCAGCATGCTGGAGGCCGAGAGCAGAGATGGCTCTAATTGGACCCAGTGGTTGCTGCCACCCCT
 AGTCTGGCTGGCCAATGGACTACTAGTGTGGCCTGCTTGGCTCTTCTTTGTCTACGGGGAACCTGTG
 ACCAGGCCACACTCCGGCCCGGCTGTACTTCTGGAGACATCGAAACAAGCTGACCTGGATTTGGCCC
 GGGGAGATTTGCCAGGCCGCTCAACAGCTGTGGCTGGCCTTGAAGCCCTGGGCCGGCCCTGCCAC
 CTCAAACCTGGATCTGGCCTGCAGCCTGCTTTGGAACCTCGTCCGCCACCTGTGCAGCGTCTTTGGGTG
 GGCCGCTGGCTGGCAGGCCAGGCTGGGGCCTGCAGAGGACTACAGGCTGAGAAAGGATGCTCGTGCCA
 GTGCCCGAGATGCGGCTGTCGTCTACCATAAGCTGCACCAGCTGCATGCCATGGGCAAGTACACAGGAGG
 CCATCTTGTGCTCTAACCTGGCACTGAGTGCCTTAACCTGGCTGAGTGTGCAGGAGATGCTATATCC
 ATGGCAACTGGCAGAGATCTACGTGGCAGTGCCTAAGGGTCAAACCAGCCTCCCCAGAGCCTTGC
 ACTTCTTGACACGTTTCTTCTGAGTAGTCCCGCCAGGCTGCCTGGCACAGAGTGGTGCAGTGCCTCT
 TGCCATGCAGTGGCTCTGCCACCCTGTAGGTACCCTTTCTTCTGAGTGGGACTGGGCTGTACACGGT
 GCCCCCCAGGAGTCTGTACAGCGTGGTGGAAACCCAGTGGATCCACTGGCCAGGTGACCCGACTAT
 TCTGTGAACATCTCTGGAGCGAGCATTGAACTGTATCGCTCAGCCAGCCAGGGGAGCTGATGGAGA
 CAGGGAGTTCTCAGATGCTCTTGGATATCTACAGTTGCTAAATAGCTGTTCTGACGCTGTGGAGCTCT
 GCGTGCAGCTTCTGTGAGTTCAGCATGGCTACCACACTGGCACAGCCAGTGGCCAAGTGGTGGG
 CCTCACTGACAGCCGTGGTGTATCCACTGGCTGAGGCGGGATGAGGAGGCAGCTGAACGCTTATACCCACT
 GGTAGAGCACATCCCCAAGTGCTGCAGGAACTGAGAGACCCCTTCCAGGGCAGCTCTGTACTCCTTC
 AAGGCTGCCCGGGCTCTGCTGGACCACAGAAAGGTGGAATCCAGCCAGCCAGCCTGGCCATCTGTGAGA
 AGGCCAGTGGGTACCTGCGGGACAGCTTAGCCTCTACATCAACTGCCAGTTCATTGACAAGGCCATGCA
 GCTGCTCCTGTGTGATCTACTTCTGTGGCCCGCACCAGCCTATGGCGGCCAACAGTCAGCAGCTTCA
 GCCCAGGAGCTCAGGTAACAGCAATGGACCCAGGCCCTGCTCTGGAGCTGCGTGGTTTCCAACATG
 ACCTGAGCAGCCTGAGGCGCTTGGCACAGAGCTTCCGGCCTGCTATGAGGAGGGTCTTCTACATGAGGC
 CACAGCTCGGCTGATGGCAGGAGCAAGTCTGCCCGGACACACCAGCTCCTGGACCGCAGTCTGCGGAGG
 CGGCAGGTTCCAGTGGCAAAGGAGGCGCTGCAGCTGAGCTGGAGCCTCGACCCACATGGCGGGAGCACA
 CAGAGGCTTGTGTTGGCCTCTGCTATCTGCCCTGCCTTCTGTGGCCCCCGGCAGCGAGTGGAG
 CATGCTGGCTGAGGCAGCGCGCACCGTGGAGAAGCTTGGCGATCACCGGCTCCTGCTTACTGCCAGCAG
 ATGCTCCTGCGCCTGGTGGCGGGACCCTGTCACTTCCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001276707
- Insert Size:** 3405 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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

Gene Summary: transcription factor; binds to the sterol regulatory element 1; regulates the transcription of genes important for sterol biosynthesis [RGD, Feb 2006]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.