

Product datasheet for **SC213706**

SREBP1 (SREBF1) (NM_004176) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SREBP1 (SREBF1) (NM_004176) Human 3' UTR Clone
Symbol:	SREBP1
Synonyms:	bHLHd1; HMD; IFAP2; SREBP1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004176
Insert Size:	1318 bp



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Insert Sequence: >SC213706 3'UTR clone of NM_004176
The sequence shown below is from the reference sequence of NM_004176. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGCGGTGGGACCACTGTCACTTCCAGCTAGACCCCGTGTCCCGGCTCAGCACCCCTGTCTCTAGCCA
CTTTGGTCCCGTGCAGCTTCTGTCTGCGTCTGAAGCTTTGAAGGCCGAAGGCAGTGCAAGAGACTCTGG
CCTCCACAGTTCGACCTGCGGCTGTGTGCTTTCGCGGTGGAAGGCCGAGGGGCGCGATCTTGACC
CTAAGACCGGGCCCATGATGGTGTGACCTCTGGTGGCCGATCGGGGACTGCAGGGGCGGAGCCATT
TTGGGGGGCCCCCTCTTGCTCTGCAGGCACCTTAGTGGCTTTTTCTCTGTGTACAGGGAAGAGA
GGGGTACATTTCCCTGTGCTGACGGAAGCCAATTGGCTTTCCCGGACTGCAAGCAGGGCTCTGCCCA
GAGGCCTCTCTCCGTCGTGGGAGAGAGACGTGTACATAGTGTAGGTGAGGTGCTTAGCCTCCTGAC
CTGAGGCTCCTGTGCTACTTTGCCCTTTGCAAACCTTTATTTTCATAGATTGAGAAGTTTTGTACAGAGA
ATTAATAATGAAATTATTATAATCTGGGTTTTGTGTCTTCAGCTGATGGATGTGCTGACTAGTGAGAG
TGCTTGGGCCCTCCCCAGCACCTAGGGAAGGCTTCCCCTCCCCTCCCGCCACAAAGGTACACAATT
TTAACTTAGCTCTTCCCGATGTTTGTGTTAGTGGGAGGAGTGGGGAGGGCTGGCTGTATGGCCTCCA
GCCTACCTGTTCCCCTGCTCCCAGGACATGGTTGGGCTGTGTCAACCCTTAGGGCTCCATGGGGT
CAGTTGTCCCTTCTCACCTCCAGCTCTGTCCCACAGGTCCCTGGGTGGCACGGGAGGATGGACTGA
CTTCCAGACCTGTTGTGTGACAGGAGCTACAGCTTGGGTCTCCCTGCAAGAAGTCTGGCACGTCTCAC
CTCCCCATCCCGGCCCTGGTCATCTCACAGCAAAGAAGCCTCCTCCCTCCCGACTGCCGCCACACT
GGAGAGGGGGCACAGGGGCGGGGAGGTTTCTGTTCTGTGAAAGGCCGACTCCCTGACTCCATTCATG
CCCCCCCCCAGCCCCCTCCCTTATTCCATTCCCAACCTAAAGCCTGGCCCGGCTCCAGCTGAAT
CTGGTCGGAATCCACGGGCTGCAGATTTTCCAAAACAATCGTTGTATCTTTATTGACTTTTTTTTTTTT
TTTTTTCTGAATGCAATGACTGTTTTTTACTCTTAAGGAAAATAAACATCTTTTAGAAACAGCTCGATA
CACACAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_004176.5](#)

Summary:

This gene encodes a basic helix-loop-helix-leucine zipper (bHLH-Zip) transcription factor that binds to the sterol regulatory element-1 (SRE1), which is a motif that is found in the promoter of the low density lipoprotein receptor gene and other genes involved in sterol biosynthesis. The encoded protein is synthesized as a precursor that is initially attached to the nuclear membrane and endoplasmic reticulum. Following cleavage, the mature protein translocates to the nucleus and activates transcription. This cleavage is inhibited by sterols. This gene is located within the Smith-Magenis syndrome region on chromosome 17. Alternative promoter usage and splicing result in multiple transcript variants, including SREBP-1a and SREBP-1c, which correspond to RefSeq transcript variants 2 and 3, respectively. [provided by RefSeq, Nov 2017]

Locus ID:

6720

MW:

48.2