

Recombinant Human SREBF1 Protein, His-tagged

Cat. No. SREBF1-2732H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SREBF1 Protein (Leu107-Ser394) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu107-Ser394
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 60.1 kDa Accurate Molecular Mass: 60 kDa

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Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	SREBF1 sterol regulatory element binding transcription factor 1 [Homo sapiens (human)]
Official Symbol	SREBF1
Synonyms	SREBF1; sterol regulatory element binding transcription factor 1; sterol regulatory element-binding protein 1; bHLHd1; SREBP 1c; SREBP1; SREBP-1; class D basic helix-loop-helix protein 1; SREBP-1c;
Gene ID	6720

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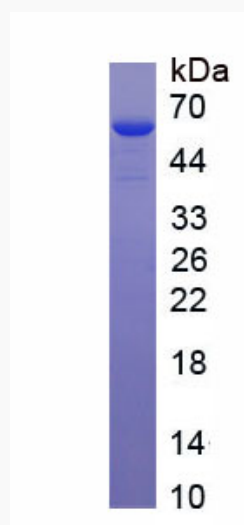
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mRNA Refseq [NM_001005291](#)

Protein Refseq [NP_001005291](#)

MIM [184756](#)

UniProt ID [P36956](#)



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