

Recombinant Human SREBF1 Protein (Glu30-Leu490), N-His tagged

Cat. No. SREBF1-2606H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SREBP1 (Glu30-Leu490) protein fused with the N-terminal His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu30-Leu490
Description	Sterol regulatory element-binding protein 1:Precursor of the transcription factor form (Processed sterol regulatory element-binding protein 1), which is embedded in the endoplasmic reticulum membrane. Low sterol concentrations promote processing of this form, releasing the transcription factor form that translocates into the nucleus and activates transcription of genes involved in cholesterol biosynthesis and lipid homeostasis Processed sterol regulatory element-binding protein 1:Key transcription factor that regulates expression of genes involved in cholesterol biosynthesis and lipid homeostasis. Binds to the sterol regulatory element 1 (SRE-1) (5'-ATCACCCCAC-3'). Has dual sequence specificity binding to both an E-box motif (5'-ATCACGTGA-3') and to SRE-1 (5'-ATCACCCCAC-3'). Regulates the promoters of genes involved in cholesterol biosynthesis and the LDL receptor (LDLR) pathway of sterol regulation.
Molecular Mass	49.80 kDa

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Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

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
mRNA Refseq	NM_001005291
Protein Refseq	NP_001005291

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MIM	184756
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UniProt ID	P36956
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