

SREBF1 (Human) Cell-Based ELISA Kit

Catalog # KA3500

Size 1 Kit

Specification

Product Description	SREBF1 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of SREBF1 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — SREBF1

Entrez GeneID	6720
Gene Name	SREBF1
Gene Alias	SREBP-1c, SREBP1, bHLHd1
Gene Description	sterol regulatory element binding transcription factor 1
Omim ID	184756

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a transcription factor that binds to the sterol regulatory element-1 (SRE1), which is a decamer flanking the low density lipoprotein receptor gene and some genes involved in sterol biosynthesis. The protein is synthesized as a precursor that is attached to the nuclear membrane and endoplasmic reticulum. Following cleavage, the mature protein translocates to the nucleus and activates transcription by binding to the SRE1. Sterols inhibit the cleavage of the precursor, and the mature nuclear form is rapidly catabolized, thereby reducing transcription. The protein is a member of the basic helix-loop-helix-leucine zipper (bHLH-Zip) transcription factor family. This gene is located within the Smith-Magenis syndrome region on chromosome 17. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

sterol regulatory element binding protein-1

Pathway

- [Insulin signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Toxicity](#)

- [Edema](#)
- [Fatty Liver](#)
- [Femur Head Necrosis](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Weight Gain](#)
- [Werner syndrome](#)