

Recombinant Human SREBF1 Protein (1-490 aa), His-tagged

Cat. No. SREBF1-2715H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SREBF1 Protein (1-490 aa) is produced by in vitro E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cardiovascular. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	1-490 aa
Description	Transcriptional activator required for lipid homeostasis. Regulates transcription of the LDL receptor gene as well as the fatty acid and to a lesser degree the cholesterol synthesis pathway (By similarity). Binds to the sterol regulatory element 1 (SRE-1) (5'-ATCACCCAC-3'). Has dual sequence specificity binding to both an E-box motif (5'-ATCACGTGA-3') and to SRE-1 (5'-ATCACCCAC-3').
Form	Tris-based buffer, 50% glycerol
Molecular Mass	54.5 kDa
AA Sequence	MDEPPFSEAALQALGEPCLDAALLTDIEDMLQLINNQDSDFPGLFDPPYAGSGAG GTDPASPDTSSPGSLSPPPATLSSSLEAFLSGPQAAPSPLSPPQPAPTPLKMYPSM PAFSPGPGIKEESVPLSILQTPTPQPLPGALLPQSFPAPAPPQFSSTPVLGYSPSPG GFSTGSPPGNTQQPLPGLPLASPPGVPPVSLHTQVQSVVPQQLLTVTAAPTAAPVT TTVTSQIQQVPVLLQPHFIKADSLLLTAMKTDGATVKAAGLSPLVSGTTVQTGPLPTL

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VSGGTILATVPLVVDAEKLPIINRLAAGSKAPASAQSRGEKRTAHNAIEKRYRSSINDKI
IELKDLVVGTEAKLNKSAVLRKAIDYIRFLQHSNQKLKQENLSLRTAVHKSKSLKDLVS
ACGSGGNTDVLMEGVKTEVEDTLTPPPSDAGSPFQSSPLSLGSRGSGSGGSGSDS
EPDSPVFEDSKAKPEQRPSLHSGMLDRSRLAL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name SREBF1 sterol regulatory element binding transcription factor 1 [Homo sapiens]

Official Symbol SREBF1

Synonyms SREBF1; bHLHd1; SREBP 1c; SREBP1; SREBP-1; class D basic helix-loop-helix protein 1; SREBP-1c;

Gene ID 6720

mRNA Refseq NM_001005291

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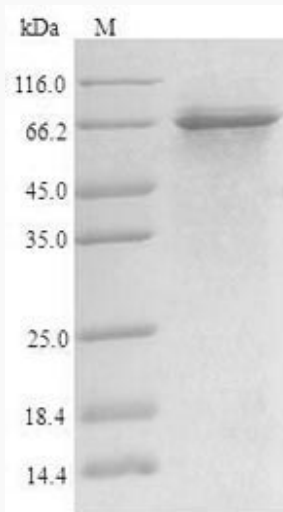
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Protein Refseq NP_001005291

MIM 184756

UniProt ID P36956



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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