# 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'-ATCACCCCAC-3'). Has dual sequence specificity binding to both an E-box motif (5'-ATCACGTGA-3') and to SRE-1 (5'-ATCACCCCAC-3'). |
| **Form** | Tris-based buffer,50% glycerol |
| **Molecular Mass** | 54.5 kDa |
| **AA Sequence** | MDEPPFSEAALEQALGEPCDLDAALLTDIEDMLQLINNQDSDFPGLFDPPYAGSGAG GTDPASPDTSSPGSLSPPPATLSSSLEAFLSGPQAAPSPLSPPQPAPTPLKMYPSM PAFSPGPGIKEESVPLSILQTPTPQPLPGALLPQSFPAPAPPQFSSTPVLGYPSPPG GFSTGSPPGNTQQPLPGLPLASPPGVPPVSLHTQVQSVVPQQLLTVTAAPTAAPVT TTVTSQIQQVPVLLQPHFIKADSLLLTAMKTDGATVKAAGLSPLVSGTTVQTGPLPTL |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

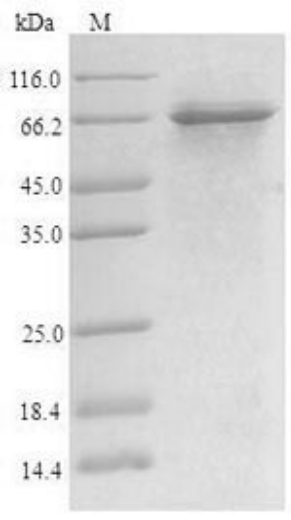
| | |
|---|---|
| | VSGGTILATVPLVVDAEKLPINRLAAGSKAPASAQSRGEKRTAHNAIEKRYRSSINDKI IELKDLVVGTEAKLNKSAVLRKAIDYIRFLQHSNQKLKQENLSLRTAVHKSKSLKDLVS ACGSGGNTDVLMEGVKTEVEDTLTPPPSDAGSPFQSSPLSLGSRGSGSGGSGSDS EPDSPVFEDSKAKPEQRPSLHSRGMLDRSRLAL |
| **Purity** | > 90% as determined by SDS-PAGE. |
| **Notes** | Repeated 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 |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| **Protein Refseq** | NP_001005291 |
| **MIM** | 184756 |
| **UniProt ID** | P36956 |




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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA