

SREBF2 / Sterol Regulatory Element-Binding Protein 2 Recombinant Protein | SREBF2 recombinant protein

Human SREBF2 / Sterol Regulatory Element-Binding Protein 2 Recombinant Protein

CATALOG # AAA196938	HOST E. Coli	APPLICATIONS Western Blot, ELISA
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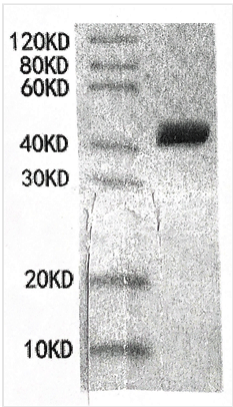
PRODUCT SYNONYMS

SREBF2 / Sterol Regulatory Element-Binding Protein 2; Human SREBF2 / Sterol Regulatory Element-Binding Protein 2 Recombinant Protein; Sterol regulatory element-binding protein 2; SREBP-2; Class D basic helix-loop-helix protein 2; bHLHd2; Sterol regulatory element-binding transcription factor 2; BHLHD2; SREBP2; SREBF2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E. Coli
Purity/Purification	>90%
Form/Format	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole, 10% Glycerol (PH8.0)
Concentration	Reconstitution Dependent (varies by lot)
Sequence	RRTTHNIEK RYRSSINDKI IELKDLVMGT DAKMHKSGVL RKAIDYIKYL QQVNHKLRQE NMNLKLANQK NKLLKGIDLG SLVDNEVDLK IEDFNQNVLL MSPPASDSGS QAGFSPYSID SEPGSPLDD AKVKDEPDSP
Sequence Length	1141
Applicable Applications for SREBF2 recombinant protein	WB (Western Blot), ELISA
Species	Human
Tag	His
Organism	Homo sapiens (Human)
Subunit	Forms a tight complex with SCAP in the ER membrane. Efficient DNA binding of the soluble transcription factor fragment requires dimerization with another bHLH protein. Interacts with LMNA. Component of SCAP/SREBP complex composed of SREBF2, SCAP and RNF139; the complex hampers the interaction between SCAP and SEC24B, thereby reducing SREBF2 proteolytic processing. Interacts (via C-terminal domain) with RNF139.
Entry Function	Transcriptional activator required for lipid homeostasis. Regulates transcription of the LDL receptor gene as well as the cholesterol and to a lesser degree the fatty acid synthesis pathway (By similarity). Binds the sterol regulatory element 1 (SRE-1) (5'-ATCACCCAC-3') found in the flanking region of the LDRL and HMG-CoA synthase genes.
Preparation and Storage	Store at -20°C. Avoid repeated freezing and thawing.

IMAGES



SDS-PAGE
12% SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for SREBF2 recombinant protein	Recombinant protein with His-tag
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NCBI AND UNIPROT INFORMATION

NCBI GI #	451330
NCBI GeneID	6721
UniProt Accession #	Q12772
Molecular Weight	15.4 KD
NCBI Official Full Name	sterol regulatory element binding protein-2
NCBI Official Synonym Full Names	sterol regulatory element binding transcription factor 2
NCBI Official Symbol	SREBF2
NCBI Official Synonym Symbols	SREBP2; bHLHd2; SREBP-2
NCBI Protein Information	sterol regulatory element-binding protein 2
UniProt Protein Name	Sterol regulatory element-binding protein 2
UniProt Gene Name	SREBF2
UniProt Synonym Gene Names	BHLHD2; SREBP2; SREBP-2; bHLHd2
UniProt Entry Name	SRBP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sreb2-recombinant-protein-e-coli-wb-western-blot-elisa/196938>