Datasheet for ABIN7563694

SREBF2 Protein (AA 1-1130) (His tag)

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Overview

Quantity:	1 mg
Target:	SREBF2
Protein Characteristics:	AA 1-1130
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SREBF2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Srebf2 Protein expressed in mammalien cells.
Sequence:	MDESSELGVL ETMETLTELG DELTLGDIDE MLQFVSNQVG EFPDLFSEQL CSSFPGGGSN GGSGNNSSGR GNNGGATDPA VQRSFSQVPL STFSPSAASP QAPALQVKVS PTPPRATPVL QPRPQPQPQP PAQLQQQTVM ITPTFSTAPQ TRIIQQPLIY QNAATSFQVL QPQVQSLVTS PQVQPVTIQQ QVQTVQAQRV LTQTANGTLQ TLAPATVQTV AAPQVQQVPV LVQPQIIKTD SLVLTTLKTD GSPVMAAVQN PALTALTAPI QTAALQVPTL VGSNGTILTT MPVMMGQEKV PIKQVPGGVK QLDPPKEGER RTTHNIIEKR YRSSINDKII ELKDLVMGTD AKMHKSGVLR KAIDYIKYLQ QVNHKLRQEN MVLKLANQKN KLLKGIDLGS LVDSDVDLKI DDFNQNVLLM SPPASDSGSQ AGFSPYSIDS EPGSPLLDDA KVKDEPDSPP VALGMVDRSR ILLCVLTFLG LSFNPLTSLL QWGGAHNTDQ HPYSGSGRSV LSLESGAGGW FDWMVPTLLL WLVNGVIVLS VFVKLLVHGE PVIRPHSRPS VTFWRHRKQA DLDLAKGDFA AAAANLQTCL SVLGRALPTS RLDLACSLSW NVIRYSLQKL RLVRWLLKKV FQRWRATPAT AAGFEDEAKS SARDAALAYH

Product Details

	RLHQLHITGK LPAGSACSDV HMALCAVNLA ECAEEKILPS TLIEIHLTAA MGLKTRCGGK LGFLASYFLN RAQSLCGPEH STVPDSLRWL CHPLGQKFFM ERSWSIKSAA KESLYCAQRS PADPIAQVHQ AFCKNLLERA VESLVKPQAK KKAGDQEEES CEFSSALEYL KLLHSFVDSV GFVTSPFSSS SVLRSALGPD VICRWWTSAV TMAISWLQGD DAAVRSRFTE VERVPKALEV TESPLVKAVF YTCRAMHASL SGKADGQQNS FCHCERASGH LWSSLNVSGT TSDPSLNHVI QLFTCDLLLS LRTALWQKQA SASQLLGETY HASGTELAGF QRDLGSLRRL AHSFRPAYRK VFLHEATVRL MAGASPTRTH QLLEHSLRRR PTQNTKHGEV DTWPGQRERA TAILLACRHL PLSFLSSPGQ RAVLLAEAAR TLEKVGDRRS CSDCQQMIVK LGGGTAIAAS **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	SREBF2
Alternative Name:	Srebf2 (SREBF2 Products)
Background:	Sterol regulatory element-binding protein 2 (SREBP-2) (Sterol regulatory element-binding transcription factor 2) [Cleaved into: Processed sterol regulatory element-binding protein 2

Target Details

	(Transcription factor SREBF2)],FUNCTION: [Sterol regulatory element-binding protein 2]: Precursor of the transcription factor form (Processed sterol regulatory element-binding protein 2), which is embedded in the endoplasmic reticulum membrane (By similarity). 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 (PubMed:9616204, PubMed:16100574). {ECO:0000250|UniProtKB:Q12772, ECO:0000269|PubMed:16100574, ECO:0000269|PubMed:9616204}., FUNCTION: [Processed sterol regulatory element-binding protein 2]: Key transcription factor that regulates expression of genes involved in cholesterol biosynthesis (PubMed:9616204). 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') (By similarity). Regulates transcription of genes related to cholesterol synthesis pathway (PubMed:9616204). {ECO:0000250|UniProtKB:Q12772, ECO:0000269|PubMed:9616204}.
Molecular Weight:	122.9 kDa
UniProt:	Q3U1N2
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months