

Datasheet for ABIN7552683
BSCL2 Protein (AA 1-398) (His tag)



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Overview

Quantity:	1 mg
Target:	BSCL2
Protein Characteristics:	AA 1-398
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BSCL2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant BSCL2 Protein expressed in mammalian cells.
Sequence:	MVNDPPVPAL LWAQEVGQVL AGRARRLLQ FGVLFCTILL LLWVSVFLYG SFYYSYMPV SHLSPVHFY RTDCDSSTTS LCSFPVANVS LTKGGRDRV L MYGQPYRVTL EELPESPVN QDLGMFLVTI SCYTRGGRII STSSRSVMLH YRSDLLQMLD TLVFSSLLLF GFAEQKQLE VELYADYREN SYVPTTGAI EIHSKRIQLY GAYLRIHAHF TGLRYLLYNF PMTCAFIGVA SNFTFLSVIV LFSYMQVWVG GIWPRHRFSL QVNIRKRDNS RKEVQRRISA HQPGPEGQEE STPQSDVTED GESPEDPSGT EGQLSEEEKP DQQLSGEEE LEPEASDGSG SWEDAALLTE ANLPAPAPAS ASAPVLET LG SSEPAGGALR QRPTCSSS 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

BSCL2

Alternative Name:

BSCL2 ([BSCL2 Products](#))

Background:

Seipin (Bernardinelli-Seip congenital lipodystrophy type 2 protein),FUNCTION: Plays a crucial role in the formation of lipid droplets (LDs) which are storage organelles at the center of lipid and energy homeostasis (PubMed:19278620, PubMed:21533227, PubMed:31708432, PubMed:30293840). In association with LDAF1, defines the sites of LD formation in the ER (PubMed:31708432). Also required for growth and maturation of small nascent LDs into larger mature LDs (PubMed:27564575). Mediates the formation and/or stabilization of endoplasmic reticulum-lipid droplets (ER-LD) contacts, facilitating protein and lipid delivery from the ER into growing LDs (PubMed:31178403, PubMed:27879284). Regulates the maturation of ZFYVE1-positive nascent LDs and the function of the RAB18-ZFYVE1 complex in mediating the formation of ER-LD contacts (PubMed:30970241). Binds anionic phospholipids including phosphatidic acid (PubMed:30293840). Plays an important role in the differentiation and development of adipocytes (By similarity). {ECO:0000250|UniProtKB:Q9Z2E9, ECO:0000269|PubMed:19278620, ECO:0000269|PubMed:21533227,

Target Details

ECO:0000269|PubMed:27564575, ECO:0000269|PubMed:27879284,
ECO:0000269|PubMed:30293840, ECO:0000269|PubMed:30970241,
ECO:0000269|PubMed:31178403, ECO:0000269|PubMed:31708432}.

Molecular Weight: 44.4 kDa

UniProt: [Q96G97](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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