

Datasheet for ABIN7555620

STXBP5L Protein (AA 1-1186) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	STXBP5L
Protein Characteristics:	AA 1-1186
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STXBP5L protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat STXBP5L Protein expressed in mammalien cells.
Sequence:	MKKFNFRKVL DGLTASSPGS GSSSGSNSGG GAGSGSVHPA GTAGVLREEI QETLTSEYFQ ICKTVRHGFP HQPTALAFDP VQKILAIGTR TGAIRILGRP GVDCYQCQES GAAVLQLQFL INEGALVSAS SDDTLHLWNL RQKRPAIHS LKFNRRERITY CHLPFQSKWL YVGTERRGNTH IVNIESFILS GYVIMWNKAI ELSTKTHPGP VVHLSDSPRD EGKLLIGYEN GTVVFWDLKS KRAELRVYYD EAIHSIDWHH EGKQFMCSHS DGSLTLWNLK SPSRPFQTTI PHGKSQREGR KSESCKPILK VEYKTCKNSE PFIIFSGGLS YDKACRRPSL TIMHGKAITV LEMDHPIVEF LTLCETYPYN EFQEPYAVVV LLEKDLIVVD LTQSNFPIPE NPYPMDIHES PVTCTAYFAD CPPDLILVLY SIGVKHKKQG YSNKEWPISG GAWNLAGQTY PEIITGHAD GSIKFDASA ITLQMLYKLLK TSKVFEKQKV GEGKQTCEIV EEDPFAIQMI YWCPESRIFC VSGVSAYVII YKFSRHEITT EIVSLEVLRLQ YDVEDIITPE PETSPPFPDL SAQLPSSRSL SGSTNTVASE GVTKDSIPCL NVKTRPVRMP PGYQAELEVIQ LVWVDGEPQP QITSLAVSSA YGIVAFGN CN

Product Details

GLAVVDFIQK TVLLSMGTID LYRSSDLYQR QPRSPRKNKQ FIADNFCMRG LSNFYPDLT
K RIRTSYQSLT ELNDSPVPLE LERCKSPSTSD HVNGHCTSPT SQSCSSGKRL SSADVSKVNR
WGPRPPFRK AQAACMEIS LPVTTEENRE NSYNRSRSSH ISSIDKDSKE AITALYFMDS
FARKNDSTIS PCLFVGTSLG MVLIIISLNL LADEQRFTEP VMVLPSTGTF SLKGAVLTFS
CMDRMGGLMQ PPYEVWRDPN NIDENEKSWR RKMVMNSSSA SQEIGDHQYT IICSEKQAKV
FSLPSQTCLY VHNITETSEFI LQANVVVMCS SACLACFCAN GHIMIMSLPS LRPMLDVNYL
PLTDMRIART FCFTNEGQAL YLVSPTEIQR LTYSQEMCDN LQDMLGDLFT PIETPEAQNR
GFLKGLFGGS GQTFDREELF GEASAGKASR SLAQHIPGPG SIEGMKGAAG GVMGELTRAR
IALDERGQRL GELEEKTAGM MTSAEAFSKH AHELMLKYKD KKWYQF **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 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, Western Blot

Grade:

custom-made

Target Details

Target:

STXBP5L

Alternative Name:

STXBP5L ([STXBP5L Products](#))

Background:

Syntaxin-binding protein 5-like (Lethal(2) giant larvae protein homolog 4) (Tomosyn-

Target Details

2),FUNCTION: Plays a role in vesicle trafficking and exocytosis inhibition. In pancreatic beta-cells, inhibits insulin secretion probably by interacting with and regulating STX1A and STX4, key t-SNARE proteins involved in the fusion of insulin granules to the plasma membrane. Also plays a role in neurotransmitter release by inhibiting basal acetylcholine release from axon terminals and by preventing synaptic fatigue upon repetitive stimulation (By similarity). Promotes as well axonal outgrowth (PubMed:25504045). {ECO:0000250|UniProtKB:Q5DQR4, ECO:0000269|PubMed:25504045}.

Molecular Weight: 131.9 kDa

UniProt: [Q9Y2K9](#)

Pathways: [Negative Regulation of Hormone Secretion, Carbohydrate Homeostasis](#)

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