Datasheet for ABIN7564663

STXBP5 Protein (AA 1-1152) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	STXBP5
Protein Characteristics:	AA 1-1152
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STXBP5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Stxbp5 Protein expressed in mammalien cells.
Sequence:	MRKFNIRKVL DGLTAGSSSA SQQQQQQQHP PGNREPEIQE TLQSEHFQLC KTVRHGFPYQ PSALAFDPVQ KILAVGTQTG ALRLFGRPGV ECYCQHDSGA AVIQLQFLIN EGALVSALAD DTLHLWNLRQ KRPAVLHSLK FCRERVTFCH LPFQSKWLYV GTERGNIHIV NVESFTLSGY VIMWNKAIEL SSKAHPGPVV HISDNPMDEG KLLIGFESGT VVLWDLKSKK ADYRYTYDEA IHSVAWHHEG KQFICSHSDG TLTIWNVRSP AKPVQTITPH GKQLKDGKKP EPCKPILKVE LKTTRSGEPF IILSGGLSYD TVGRRPCLTV MHGKSTAVLE MDYSIVDFLT LCETPYPNDF QEPYAVVVLL EKDLVLIDLA QNGYPIFENP YPLSIHESPV TCCEYFADCP VDLIPALYSV GARQKRQGYS KKEWPINGGN WGLGAQSYPE IIITGHADGS VKFWDASAIT LQVLYKLKTS KVFEKSRNKD DRQNTDIVDE DPYAIQIISW CPESRMLCIA GVSAHVIIYR FSKQEVLTEV IPMLEVRLLY EINDVDTPEG EQPPPLSTPV GSSNPQPIPP QSHPSTSSSS SDGLRDNVPC LKVKNSPLKQ SPGYQTELVI QLVWVGGEPP QQITSLALNS SYGLVVFGNC NGIAMVDYLQ

Product Details

	KAVLLNLSTI ELYGSNDPYR REPRSPRKSR QPSGAGLCDI TEGTVVPEDR CKSPTSGSSS PHNSDDEQKV NNFIEKVKTQ SRKFSKMVAN DLAKMSRKLS LPTDLKPDLD VKDNSFSRSR SSSVTSIDKE SRETISALHF CETLTRKADS SPSPCLWVGT TVGTAFVITL NLPPGPEQRL LQPVIVSPSG TILRLKGAIL RMAFLDATGC LMSPAYEPWK EHNVAEEKDE KEKLKKRRPV SVSPSSSQEI SENQYAVICS EKQAKVMSLP TQSCAYKQNI TETSFVLRGD IVALSNSVCL ACFCANGHIM TFSLPSLRPL LDVYYLPLTN MRIARTFCFA NNGQALYLVS PTEIQRLTYS QETCENLQEM LGELFTPVET PEAPNRGFFK GLFGGGAQSL DREELFGESS SGKASRSLAQ HIPGPGGIEG VKGAASGVVG ELARARLALD ERGQKLSDLE ERTAAMMSSA DSFSKHAHEM MLKYKDKKWY QF **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:	STXBP5
Alternative Name:	Stxbp5 (STXBP5 Products)
Background:	Syntaxin-binding protein 5 (Lethal(2) giant larvae protein homolog 3) (Tomosyn-1),FUNCTION: Plays a regulatory role in calcium-dependent exocytosis and neurotransmitter release (By

Target Details

	similarity). Inhibits membrane fusion between transport vesicles and the plasma membrane. May modulate the assembly of trans-SNARE complexes between transport vesicles and the plasma membrane. Competes with STXBP1 for STX1 binding. Inhibits translocation of GLUT4 from intracellular vesicles to the plasma membrane. {ECO:0000250, ECO:0000269|PubMed:12832401}.
Molecular Weight:	127.7 kDa
UniProt:	Q8K400

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