

Datasheet for ABIN7555655

## STXBP5 Protein (AA 1-1151) (His tag)



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### Overview

Quantity:	1 mg
Target:	STXBP5
Protein Characteristics:	AA 1-1151
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STXBP5 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant STXBP5 Protein expressed in mammalian cells.
Sequence:	<p>MRKFNIRKVL DGLTAGSSSA SQQQQQQHPP GNREPEIQET LQSEHFQLCK TVRHGFPYQP</p> <p>SALAFDPVQK ILAVGTQTGA LRLFGRPGVE CYQHDSGAA VIQLQFLINE GALVSALADD</p> <p>TLHLWNLRQK RPAILHSLKF CRERVTFCHL PFQSKWLYVG TERGNIHIVN VESFTLSGYV</p> <p>IMWNKAIELS SKSHPGPVVH ISDNPMDEGK LLIGFESGTV VLWDLKSKKA DYRYTYDEAI</p> <p>HSVAWHHEGK QFICSHSDGT LTIWNVRSPA KPVQTITPHG KQLKDGGKPE PCKPILKVEF</p> <p>KTTRSGEPFI ILSGGLSYDT VGRRPCLTVM HGKSTAVLEM DYSIVDFLTL CETPYPNDFQ</p> <p>EPYAVVLLLE KDLVLIDLAQ NGYPIFENPY PLSIHESPTV CCEYFADCPV DLIPALYSVG</p> <p>ARQKRQGYSK KEWPINGGNW GLGAQSYPEI IITGHADGSV KFWDAITL QVLYKLKTSK</p> <p>VFEKSRNKDD RPNTDIVDED PYAIQIISWC PESRMLCIAG VSAHVIIYRF SKQEVITEVI</p> <p>PMLEVRLLYE INDVETPEGE QPPPLPTPVG GSNPQPIPPQ SHPSTSSSSS DGLRDNPVCL</p> <p>KVKNSPLKQS PGYQTELVIQ LVWVGGEPPQ QITSLAVNSS YGLVVFNGCN GIAMVDYLQK</p> <p>AVLLNLGTIE LYGSNDPYRR EPRSPRKSQR PSGAGLCDIS EGTVPEDRC KSPTSGSSSP</p>

## Product Details

HNSDDEQKMN NFIEKVTKS RKFSKMVAND IAKMSRKLSL PTDLKPDLVD KDNSFSRSRS  
SSVTSIDKES REAISALHFC ETFTRKTDSS PSPCLWVGTT LGTVLVIALN LPPGGGEQRL  
QPVIVSPSGT ILRLKGAILR MAFLDTTGCL IPPAYEPWRE HNVPEEKDEK EKLKKRRPVS  
VSPSSSQEIS ENQYAVICSE KQAKVISLPT QNCAYKQNT ETSFVLRGDI VALSNSICLA  
CFCANGHIMT FSLPSLRPLL DVYYLPLTNM RIARTFCFTN NGQALYLVSP TEIQLRTYSQ  
ETCENLQEML GELFTPVETP EAPNRGFFKG LFGGGAQSLD REELFGESSS GKASRSLAQH  
IPGPGGIEGV KGAASGVVGE LARARLALDE RGQKLGDLEE RTAAMLSSAE SFSKHAHEIM  
LKYKDKKWWYQ F **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.

**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:** STXBP5

**Alternative Name:** STXBP5 ([STXBP5 Products](#))

**Background:** Syntaxin-binding protein 5 (Lethal(2) giant larvae protein homolog 3) (Tomosyn-1),FUNCTION:

### Target Details

	Plays a regulatory role in calcium-dependent exocytosis and neurotransmitter release. 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. Inhibits translocation of GLUT4 from intracellular vesicles to the plasma membrane. Competes with STXBP1 for STX1 binding (By similarity). {ECO:0000250}.
Molecular Weight:	127.6 kDa
UniProt:	<a href="#">Q5T5C0</a>

### 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