

Datasheet for ABIN7544049

## STXBP2 Protein (AA 1-593) (His tag)



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### Overview

Quantity:	1 mg
Target:	STXBP2
Protein Characteristics:	AA 1-593
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STXBP2 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant STXBP2 Protein expressed in mammalian cells.
Sequence:	<p>MAPSGLKAVV GEKILSGVIR SVKKDGEWKV LIMDHPSMRI LSSCCKMSDI LAEGITIVED</p> <p>INKRREPIPS LEAIYLLSPT EKSQALIKD FQGTPTFTYK AAHFFTDTC PEPLFSELGR</p> <p>SRLAKVVKTL KEIHLAFLPY EAQVFSLDAP HSTYNLYCPF RAEERTRQLE VLAQQIATLC</p> <p>ATLQEYPAIR YRKGPEDTAQ LAHAVLAKLN AFKADTPSLG EGPEKTRSQL LIMDRAADPV</p> <p>SPLLHELTFQ AMAYDLLDIE QDTYRYETTQ LSEAREKAVL LDEDDDLWVE LRHMHIADVS</p> <p>KKVTELLRTF CESKRLTDDK ANIKDLSQIL KKMPQYQKEL NKYSTHLHLA DDCMKHFKGS</p> <p>VEKLCSVEQD LAMGSDAEGE KIKDSMKLIV PVLLDAVPA YDKIRVLLLY ILLRNGVSEE</p> <p>NLAKLIQHAN VQAHSSLIRN LEQLGGTVTN PGGSGTSSRL EPRERMEPTY QLSRWTPVIK</p> <p>DVMEDAVEDR LDRNLWPFVS DPAPTASSQA AVSARFGHWH KNKAGIEARA GPRLIVYVMG</p> <p>GVAMSEMRAA YEVTRATEGK WEVLIGSSHI LTPTRFLDDL KALDKKLEDI ALP <b>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</b></p>

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### special request, please contact us.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

## Target Details

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Target: STXBP2

Alternative Name: STXBP2 ([STXBP2 Products](#))

Background: Syntaxin-binding protein 2 (Protein unc-18 homolog 2) (Unc18-2) (Protein unc-18 homolog B) (Unc-18B),FUNCTION: Involved in intracellular vesicle trafficking and vesicle fusion with membranes. Contributes to the granule exocytosis machinery through interaction with soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) proteins that regulate membrane fusion. Regulates cytotoxic granule exocytosis in natural killer (NK) cells. {ECO:0000269|PubMed:19804848, ECO:0000269|PubMed:19884660}.

Molecular Weight: 66.5 kDa

UniProt: [Q15833](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#),

## Target Details

Synaptic Vesicle Exocytosis

## 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