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Datasheet for ABIN7546455

**STXBP4 Protein (AA 1-553) (His tag)**

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | STXBP4  |
| Protein Characteristics:      | AA 1-553                                      |
| Origin:                       | Human   |
| Source:                       | HEK-293 Cells                                 |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This STXBP4 protein is labelled with His tag. |
| Application:                  | Western Blotting (WB), SDS-PAGE (SDS)         |

## Product Details

|           |  |
|-----------|--|
| Purpose:  | Custom-made recombinat STXBP4 Protein expressed in mammalien cells.  |
| Sequence: | MNKNTSTVVS PSLLEKDPAF QMITIAKETG LGLKVLGGIN RNEGPLVYIQ EIIPGGDCYK<br>DGRLKPGDQL VSVNKESMIG VSFEEAKSII TGAKLRLESA WEIAFIRQKS DNIQPENLSC<br>TSLIEASGEY GPQASTLSLF SSPPEILIPK TSSTPKTNND ILSSCEIKTG YNKTVQIPIT<br>SENSTVGLSN TDVASAWTEN YGLQEKISLN PSVRFKAEKL EMALNYLGIQ PTKEQHQUALR<br>QQVQADSKGT VSGDFVQVA RNLFCQLDE VNVGAHEISN ILDSQLLPCD SSEADEMERL<br>KCERDDALKE VNTLKEKLE SDKQRKQLTE ELQNVKQEA AVVEETRALR SRIHLAEAAQ<br>RQAHGMEMDY EEVIRLLEAK ITELKAQLAD YSDQNKESVQ DLKKRIMVLD CQLRKSEMAR<br>KTFEASTEKL LHFVEAIQEV FSDNSTPLSN LSERRAVLAS QTSLTPLGRN GRSIPATLAL<br>ESKELVKSVR ALLDMDCLPY GWEEAYTAGD IKYFINHVTQ TTSWIHPVMS VLNLSRSEEN<br>EEDCSRELPN QKS <b>Sequence without tag. The proposed Purification-Tag is based on<br/>experiences with the expression system, a different complexity of the protein could make</b> |

## Product Details

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**another tag necessary. In case you have a special request, please contact us.**

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### 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, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

STXBP4

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### Alternative Name:

STXBP4 ([STXBP4 Products](#))

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### Background:

Syntaxin-binding protein 4 (Syntaxin 4-interacting protein) (STX4-interacting protein) (Synip),FUNCTION: Plays a role in the translocation of transport vesicles from the cytoplasm to the plasma membrane. Inhibits the translocation of SLC2A4 from intracellular vesicles to the plasma membrane by STX4A binding and preventing the interaction between STX4A and VAMP2. Stimulation with insulin disrupts the interaction with STX4A, leading to increased levels of SLC2A4 at the plasma membrane. May also play a role in the regulation of insulin release by pancreatic beta cells after stimulation by glucose (By similarity). {ECO:0000250}.

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### Molecular Weight:

61.7 kDa

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### UniProt:

[Q6ZWJ1](#)

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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