

Datasheet for ABIN7546426

## Syntaxin 5 Protein (STX5) (AA 1-355) (His tag)



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### Overview

Quantity:	1 mg
Target:	Syntaxin 5 (STX5)
Protein Characteristics:	AA 1-355
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Syntaxin 5 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant STX5 Protein expressed in mammalian cells.
Sequence:	<p>MIPRKRYGSK NTDQGVYLGL SKTQVLSPAT AGSSSSDIAP LPPPVTLVPP PPDTMSCRDR</p> <p>TQEFLSACKS LQTRQNGIQT NKPALRAVRQ RSEFTLMAKR IGDLSNTFA KLEKLILAK</p> <p>RKSLFDDKAV EIEELTYIHK QDINSLNKQI AQLQDFVRAK GSQSGRHLQT HSNTIVVSLQ</p> <p>SKLASMSNDF KSVLEVRTEN LKQQRSRREQ FSRAPVSALP LAPNHLGGGA VVLGAESHAS</p> <p>KDVAIDMMDS RTSQQLQLID EQDSYIQSRA DTMQNIESTI VELGSIFQQL AHMVKEQEET</p> <p>IQRIDENVLG AQLDVEAAHS EILKYFQSVT SNRWLMVKIF LILIVFFIIF VVFLA <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 special request, please contact us.</b></p>
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:

## Product Details

- 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:	Syntaxin 5 (STX5)
Alternative Name:	STX5 ( <a href="#">STX5 Products</a> )
Background:	<p>Syntaxin-5,FUNCTION: Mediates endoplasmic reticulum to Golgi transport. Together with p115/USO1 and GM130/GOLGA2, involved in vesicle tethering and fusion at the cis-Golgi membrane to maintain the stacked and inter-connected structure of the Golgi apparatus. {ECO:0000250 UniProtKB:Q08851}., FUNCTION: [Isoform 2]: Required for Golgi to endoplasmic reticulum retrograde transport, and for intra-Golgi transport. {ECO:0000269 PubMed:34711829}., FUNCTION: (Microbial infection) Required for the efficient production of infectious virion during human cytomegalovirus infection. Mechanistically, participates in the formation of the cytoplasmic viral assembly compartment where tegument acquisition and envelopment occur. {ECO:0000269 PubMed:27795424}.</p>
Molecular Weight:	39.7 kDa
UniProt:	<a href="#">Q13190</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a> , <a href="#">Regulation of Cell Size</a> , <a href="#">Synaptic Vesicle Exocytosis</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