

Datasheet for ABIN7559563  
**SPAG16 Protein (AA 1-639) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SPAG16
Protein Characteristics:	AA 1-639
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPAG16 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Spag16 Protein expressed in mammalian cells.
Sequence:	MAAPSGVPPL RVLEELGIGL SPTGEVTEAV TSEGAYYLEQ VTITETSEDE CEYEEIPDDN FSIPEGEEDL EKAIHIIGEQ ARDIHILEQQ TILPARNVMQ EAIEDFLCNF LIKMGMTRTL DCFQAEWYEL IQKKGSDFKG LGNVPDVYSQ VMLLETENKN LKKELKHFQK AAEKAKEDLL RTQKERDFHR MHHKRIVQEK NKLIADLKGL KLHYASYEPT IRVLHEKHHA LLKEKMLTSL ERDRAVGKIS GLQATLKNID MGHIQVPVIK GSYESASITR ESGDRAGHSC EKENSSEGPT QKSLREAREE VGYKSKLKNE KKDSEFPVDM QPDPNVTST ENVSAAKFDY KLNIFRLHE LPVSCIVMHP CRDYLISSCE DRLWKMVGLP QGNVLLTGSG HTDWLSGCCF HPSGSKLATS SGDSTIKLWD LNKGECTLTL EGHNHAVWSC TWHSCGDFVA SASLDMTSKI WDVNSERCRY TLYGHTDSVN SIEFFPFSNI LLTASADKTL SVWDARTGKC EQSLYGHMHS VNDATFTPRG HIIASCDARG VTKLWDFRKL IPIVSIDVGP SSGNEVNFQD SGRVLAQASA NGIIHLLDLK SGQIHKLVGH ESEVHSVFS HLGENLYSGG SDGTIRLWI <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</b>

## Product Details

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**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

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Target: SPAG16

Alternative Name: Spag16 ([SPAG16 Products](#))

Background: Sperm-associated antigen 16 protein (Pf20 protein homolog),FUNCTION: Necessary for sperm flagellar function. Plays a role in motile ciliogenesis. May help to recruit STK36 to the cilium or apical surface of the cell to initiate subsequent steps of construction of the central pair apparatus of motile cilia. {ECO:0000269|PubMed:19305393}.

Molecular Weight: 71.5 kDa

UniProt: [Q8K450](#)

## Application Details

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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.

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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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