

Datasheet for ABIN7546343

## SPAG16 Protein (AA 1-631) (His tag)



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### Overview

Quantity:	1 mg
Target:	SPAG16
Protein Characteristics:	AA 1-631
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPAG16 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat SPAG16 Protein expressed in mammalian cells.
Sequence:	<p>MAAQRGMPSS AVRVLLEALG MGLTAAGDAR DTADAVAAEG AYYLEQVTIT EASEDDYEYE</p> <p>EIPDDNFSIP EGEE DLAKAI QMAQEATDT EILERKTVLP SKHAVPEVIE DFLCNFLIKM</p> <p>GMTRTLDCFQ SEWYELIQKG VTELRTVGNV PDVYTQIMLL ENENKNLKKD LKHYKQAADK</p> <p>AREDLLKIQK ERDFHRMHHK RIVQEKNKLI NDLKGLKLHY ASYEPTIRVL HEKHHTLLKE</p> <p>KMLTSLERDK VVGQISGLQE TLKKLQRGHS YHGPQIKVDH SREKENAPEG PTQKGLREAR</p> <p>EQNKCKTKMK GNTKDSEFPI DMQPNPNLNV SKESLSPAKF DYKLKNIFRL HELPVSCVSM</p> <p>QPHKDILVSC GEDRLWKVLG LPKCNVLLTG FGHTDWLSDC CFHPSGDKLA TSSGDTTVKL</p> <p>WDLCKGDCIL TFEGHSRAVW SCTWHSCGNF VASSSLDKTS KIWDVNSERC RCTLYGHTDS</p> <p>VNSIEFFPFS NTLTSSADK TSLIWDARTG ICEQSLYGHM HSINDAIFDP RGHMIASDA</p> <p>CGVTKLWDFR KLLPIVSIDI GPSPGNEVNF DSSGRVLAQA SGNNGVIHLLD LKSGEIHKLM</p> <p>GHENEAHTVV FSHDGEILFS GGSDGTVRTW S <b>Sequence without tag. The proposed</b></p>

**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.**

### 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, Western Blot

### Grade:

custom-made

## Target Details

### 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 (By similarity). {ECO:0000250|UniProtKB:Q8K450}.

### Molecular Weight:

70.8 kDa

### UniProt:

[Q8N0X2](#)

## Application Details

### Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. 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