

Datasheet for ABIN7564309  
**SPAG1 Protein (AA 1-901) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SPAG1
Protein Characteristics:	AA 1-901
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPAG1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Spag1 Protein expressed in mammalien cells.
Sequence:	MTAKAKDCPS LWGFGTTKTF KPIEHLDFK YIENCSDVKH LEKILYVLRG GEEGYYPELT EFCEKCLTNL APKSRALRKD KPAETASSFS AEEWEKIDSD LKSWVSEIKR EENTCHFHD ENHPGVEDPL PPVRGSTCCP HSGKETYSKS KTAKKRIPRD YAEWDKFDVE KECSKIDEDY KEKTVINNKA HLSKIETKIE TAGLTEKEKS FLANREKGKG NEAFYSGDYE EAVMYYTRSL SALPTAIAYN NRAQAEIKLQ RWSSALEDCE KALELDPGNV KALLRRATTY KHQNKLQEA DDLKRVLQVE PDNDLAKKTL SEVERDLKNS EPVSELQTKG KRMVIEEVEN SGDEGGKGS DEREDGGSDE AAMGNIQKKL MVRRESEGRS SRRGRTPGPR AEQQGGLRET ATASTGDSHY PEEPRAADNP SGLKRRGNEL FRGGQFAEAA AQYSVAIAQL EPTGSANADE LSILYSNRAA CYLKEGNCRD CIQDCNRALE LHPFSVKPLL RRAMAYETLE QYRNAYVDYK TVLQIDCGIQ LASDSANRIA RILTELDGSK WRERLPIPA VPTSEPLRVW LPAETPDQD PCPNNCMPSI TDEKMFQALK EEGNQLVKDK NYKDAISKYN ECLKINSKAC AIYTNRALCY LKLGQFEEAK

## Product Details

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LDCEQALQID GENVKASHRL ALAQKGLENC RESGVDPSQV LLSPDSSEEA RHLDTKNDTA  
PPSKGRERRR IQVQEVGSS DEEPERPAEA SATSAPARDG VEDGGSAEPA EKLDVSKPTN  
AYEFGQVLST ISARKDEEAC AHLLAITAPK DLPLLLSNKL EGDTFLLLIQ SLKSHLVAKD  
PSLVYEHLLY LSKAERFKTM LTLINKGQKE QMAQLFDGLS DTQSDGLTAE DVQALRRQYE L

**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.**

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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:

SPAG1

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### Alternative Name:

Spag1 ([SPAG1 Products](#))

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### Background:

Sperm-associated antigen 1 (Infertility-related sperm protein Spag-1) (TPR-containing protein involved in spermatogenesis) (TPIS),FUNCTION: May play a role in the cytoplasmic assembly of the ciliary dynein arms (By similarity). May play a role in fertilization. Binds GTP and has GTPase activity (By similarity). {ECO:0000250, ECO:0000250|UniProtKB:Q07617}.

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### Molecular Weight:

100.7 kDa

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## Target Details

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UniProt: [Q80ZX8](#)

## 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.

Restrictions: For Research Use only

## Handling

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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