

Datasheet for ABIN7563770
SPAG8 Protein (AA 1-470) (His tag)



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Overview

Quantity:	1 mg
Target:	SPAG8
Protein Characteristics:	AA 1-470
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPAG8 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Spag8 Protein expressed in mammalien cells.
Sequence:	<p>METTESTEGS LSRSCDVQPS SERLDTPSEP VPSSSSSPRS TAPAEAPAQY SVLTEPSSDS LYGAPCPPAH HRGHGFGFQP FYVSCIPQDP CNMADLSSRA DPTSSYPCHS SVHGSGSGTC GLGQSSEPSQ GSGPTSGPAP ASVPSLVSGP DSASGPDSSA SGPALASGPG PADPGQGPKF STCIPQGYRC IPVDLAPDYN AWCQHHLHWKP QRSWEPLQVS EPGVRGPYKP PEPGALGPCE PCEPCEPPEA ESEETLCKAR PRGQCLLYNW EEERATNQLD QIPPLQDGSE SYFFRHGHQG LLTTQPQSPM SSSTTQRDSY QLPRHICQPL RGKREAMLEM LLRHQICKEV QAEQEPARKL FETESVTHHD YRVELVRAAP PASTKPHDYR QEQPETFVIQ RAARLPGVSD IRTLDTPFK NCSFSTPVPL SLGQPLPYEL ESGPHQVGI SSLACQGGGQ GCGRTKTPI Sequence without tag.</p> <p>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.</p>

Product Details

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:

SPAG8

Alternative Name:

Spag8 ([SPAG8 Products](#))

Background:

Sperm-associated antigen 8 (Sperm membrane protein 1) (SMP-1) (Sperm membrane protein BS-84),FUNCTION: Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia axoneme, which is required for motile cilia beating (By similarity). Plays a role in spermatogenesis by enhancing the binding of CREM isoform tau to its coactivator FHL5 and increasing the FHL5-regulated transcriptional activation of CREM isoform tau (PubMed:20488182). Involved in the acrosome reaction and in binding of sperm to the zona pellucida (PubMed:17187156). Plays a role in regulation of the cell cycle by controlling progression through the G2/M phase, possibly by delaying the activation of CDK1 which is required for entry into mitosis (By similarity). May play a role in fertility and microtubule formation through interaction with RANBP9 (By similarity). {ECO:0000250|UniProtKB:Q99932, ECO:0000269|PubMed:17187156, ECO:0000269|PubMed:20488182}.

Molecular Weight:

50.5 kDa

UniProt:

[Q3V0Q6](#)

Application Details

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

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
