

Datasheet for ABIN7561586

SPAG4 Protein (AA 1-443) (His tag)



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Overview

Quantity:	1 mg
Target:	SPAG4
Protein Characteristics:	AA 1-443
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPAG4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Spag4 Protein expressed in mammalian cells.
Sequence:	MRRSPRSGSA ASSHNHTPNF YSENSNSSHS ATSGDSNGRR SAGPELGEPE GRRARGSSCG EPALSPGMPG GDTWAGSSRP KLAPRSHNGQ TACGAATVRG GASEPSGSSV VLEEQLNLLP ILDLRQEMPT PRVSKSFLSL LFQVLSMVLS LAVDGLVCVC REICSIRFLF TAVSLLSIFL AALWWGLLYL IPPLENEPTE MLTSLQYHHR VHSQGQQLQQ LQAEINKLHK EVSSVRAAHS ERVAKLVFQR LNEDFVRKPD YALSSVGASI DLEKTSSDYE DQNTAYFWNR LSFWNYARPP SVILEPDVFP GNCWAFEGDK GQVVIRLPGH VQLSDITLQH PPPTVAHTGG ASSAPRDFAV YGLQADDETE VFLGKFIFDV QKSEIQTFLH QNDPPSAFPK VKIQILSNWG HPRFTCLYRV RAHGVRTSEW ADDNATGVTG GPH 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.
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.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

SPAG4

Alternative Name:

Spag4 ([SPAG4 Products](#))

Background:

Sperm-associated antigen 4 protein (Outer dense fiber-associated protein SPAG4) (SUN domain-containing protein 4),FUNCTION: Involved in spermatogenesis. Required for sperm head formation but not required to establish and maintain general polarity of the sperm head. Required for anchoring and organization of the manchette. Required for targeting of SUN3 and probably SYNE1 through a probable SUN1:SYNE3 LINC complex to the nuclear envelope and involved in accurate posterior sperm head localization of the complex. May anchor SUN3 the nuclear envelope. Involved in maintenance of the nuclear envelope integrity. May assist the organization and assembly of outer dense fibers (ODFs), a specific structure of the sperm tail. {ECO:0000269|PubMed:26621829}.

Molecular Weight:

48.6 kDa

UniProt:

[Q9JJF2](#)

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