

Datasheet for ABIN7557670

**Spindlin 1 Protein (SPIN1) (AA 1-262) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Spindlin 1 (SPIN1)
Protein Characteristics:	AA 1-262
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Spindlin 1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Spin1 Protein expressed in mammalian cells.
Sequence:	MKTPFGKTPG QRSRADAGHA GVSANMMKKR TSHKKHRTSV GPSKPVSQPR RNIVGCRIQH GWREGNGPVT QWKGTVLDQV PVNPSLYLIK YDGFDCVYGL ELNKDERVSA LEVLPDRVAT SRISDAHLAD TMIGKAVEHM FETEDGSKDE WRGMVLARAP VMNTWFYITY EKDPVLYMYQ LLDDYKEGDL RIMPDSNDSP PAEREPGEVV DSLVGKQVEY AKEDGSKRTG MVIHQVEAKP SVYFIKFD DD FHIYVYDLVK TS <b>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.</b>
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: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	Spindlin 1 (SPIN1)
Alternative Name:	Spin1 ( <a href="#">SPIN1 Products</a> )
Background:	<p>Spindlin-1 (30000 Mr metaphase complex) (SSEC P) (Spindlin1),FUNCTION: Chromatin reader that specifically recognizes and binds histone H3 both trimethylated at 'Lys-4' and asymmetrically dimethylated at 'Arg-8' (H3K4me3 and H3R8me2a) and acts as an activator of Wnt signaling pathway downstream of PRMT2. In case of cancer, promotes cell cancer proliferation via activation of the Wnt signaling pathway (By similarity). Overexpression induces metaphase arrest and chromosomal instability (PubMed:18543248). Localizes to active rDNA loci and promotes the expression of rRNA genes. May play a role in cell-cycle regulation during the transition from gamete to embryo. Involved in oocyte meiotic resumption, a process that takes place before ovulation to resume meiosis of oocytes blocked in prophase I: may act by regulating maternal transcripts to control meiotic resumption (PubMed:23894536).</p> <p>{ECO:0000250 UniProtKB:Q9Y657, ECO:0000269 PubMed:18543248, ECO:0000269 PubMed:23894536}.</p>
Molecular Weight:	29.6 kDa
UniProt:	<a href="#">Q61142</a>

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## 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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