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# Recombinant Human Sperm-associated antigen 5/SPAG5 protein (His tag)



Catalog Number:PDEH100324

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

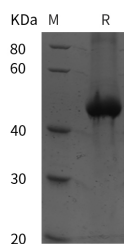
## Description

<b>Synonyms</b>	Sperm-associated antigen 5;SPAG5;Astrin;Deepest;Mitotic spindle-associated protein p126
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Asn 482-Ala 850
<b>Accession</b>	Q96R06
<b>Calculated Molecular Weight</b>	40.5 kDa
<b>Observed molecular weight</b>	48 kDa
<b>Tag</b>	N-His & C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Astrin is a homodimeric protein with a globular head domain and a long stalk. It is an essential component of the mitotic spindle. Astrin is highly expressed in testis and is detected at low levels in placenta, liver, pancreas, thymus and colon. Its expression is cell cycle-regulated, with an increase from prophase to cytokinesis and return to basal levels at the next G1 phase. In non-dividing cells Astrin is associated with microtubules unless under cellular stress, then it is localized in stress granules.

## For Research Use Only

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