

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



Catalog Number:PDEH100324

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

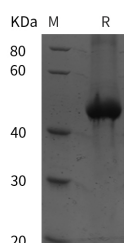
Description

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

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	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.
Reconstitution	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.

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