

Product datasheet

Recombinant Human Spindly protein ab162888

1 Image

Overview

Product name	Recombinant Human Spindly protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human

Sequence	<p>MEADIITNLRCLKEAEEERLKAAQYGLQLVESQNELQ NQLDKCRNEMMT MTESYEQEKYTLQREVELKSRMLESLSCECEAIKQQQ KMHLEKLEEQLSR SHGQEVNELKTKIEKLVKVELDEARLSEKQLKHQVDHQ KILLSCKSEELRV MSERVQESMSSEMLALQIELTEMESMKTTLKEEVNEL QYRQEQLLELLITN LMRQVDRLKEEKEEREKEAVSYNALEKARVANQDL QVQLDQALQQALDP NSKGNSLFAEVEDRRAAMERQLISMKVKYQSLKKQNV FNREQMQRMKLQI ATLLQMKGSQTEFEQQERLLAMLEQKNGEIKHLLGEIR NLEKFKNLYDSM ESKPSVDSGTLEDNTYYTDLLQMKLDNLNKEIESTKGE LSIQRMKALFES QRALDIERKLFANERCLQLSESENMKLRAKLDELKLY EPEETVEVPVK KRREVLVPDITTAKDACVNNSALGGEVYRLPPQKEET QSCPNSLEDNNLQ LEKSVSIHTPVVSLSPHKNLPVDMQLKKEKCKVKLIGV PADAEALSERSG NTPNSPRLAAESKLQTEVKEGKETSSKLEKETCKKSH PILYSSKSTPET QCPQQ</p>
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Amino acids	1 to 605
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Tags GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab162888** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

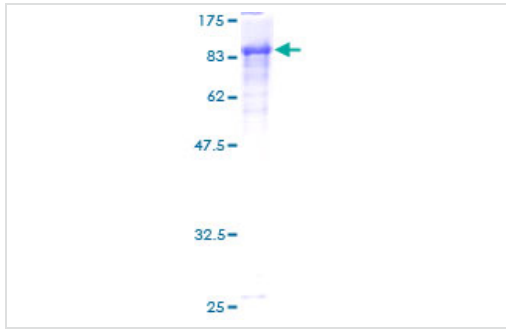
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Required for the localization of dynein and dynactin to the mitotic kintochore. Dynein is believed to control the initial lateral interaction between the kinetochore and spindle microtubules and to facilitate the subsequent formation of end-on kinetochore-microtubule attachments mediated by the NDC80 complex. Also required for correct spindle orientation. Does not appear to be required for the removal of spindle assembly checkpoint (SAC) proteins from the kinetochore upon bipolar spindle attachment.
Sequence similarities	Belongs to the Spindly family.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Cytoplasm > cytoskeleton > centrosome. Chromosome > centromere > kinetochore. Nucleus. Cytoplasm > cytoskeleton > spindle pole. Localizes to the nucleus in interphase and to the kinetochore in early prometaphase. Relocalizes to the mitotic spindle pole before metaphase and is subsequently lost from the spindle poles after chromosome congression is completed. Removal of this protein from the kinetochore requires the dynein/dynactin complex.

Images



ab162888 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human Spindly protein
(ab162888)

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