abcam

Product datasheet

Recombinant Human SKA1 protein ab177610

1 Image

Description

Product name	Recombinant Human SKA1 protein
Purity	> 80 % SDS-PAGE.
Expression system	Escherichia coli
Accession	Q96BD8
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMASSDLE QLCSHVNEKI GNIKKTLSLR NCGQEPTLKT VLNKIGDEII VINELLNKLE LEIQYQEQTN NSLKELCESL EEDYKDIEHL KENVPSHLPQ VTVTQSCVKG SDLDPEEPIK VEEPEPVKKP PKEQRSIKEM PFITCDEFNG VPSYMKSRLTYNQINDVIKE INKAVISKYK ILHQPKKSMN SVTRNLYHRF IDEETKDTKG RYFIVEADIK EFTTLKADKK FHVLLNILRH CRRLSEVRGGGLTRYVIT
Predicted molecular weight	32 kDa including tags
Amino acids	1 to 255
Tags	His tag N-Terminus
Additional sequence information	NP_001034624

Specifications

Our **Abpromise guarantee** covers the use of **ab177610** in the following tested applications.

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

Applications	Mass Spectrometry
	SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00
Constituents: 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function

Component of the SKA1 complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation. Required for timely anaphase onset during mitosis, when chromosomes undergo bipolar attachment on spindle microtubules leading to silencing of the spindle checkpoint. The SKA1 complex is a direct component of the kinetochore-microtubule interface and directly associates with microtubules as oligomeric assemblies. The complex facilitates the processive movement of microspheres along a microtubule in a depolymerization-coupled manner. In the complex, it mediates the interaction with microtubules.

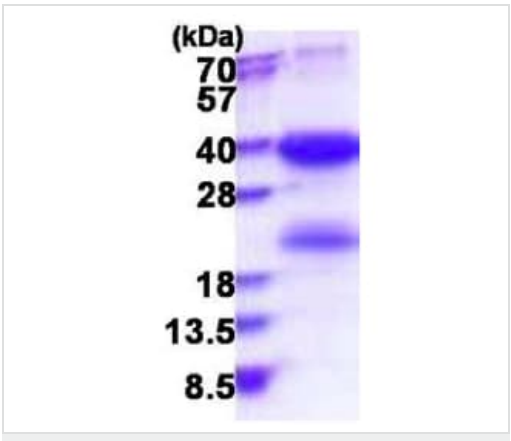
Sequence similarities

Belongs to the SKA1 family.

Cellular localization

Cytoplasm > cytoskeleton > spindle. Chromosome > centromere > kinetochore. Localizes to the outer kinetochore and spindle microtubules during mitosis in a NDC80 complex-dependent manner. Localizes to both the mitotic spindle and kinetochore-associated proteins. Associates with kinetochores following microtubule attachment from prometaphase, through mid-anaphase and then vanishes in telophase.

Images



SDS-PAGE - Recombinant Human SKA1 protein (ab177610)

ab177610 (3ug) on a 15% SDS-PAGE.

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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