

Datasheet for ABIN7555520  
**KNSTRN Protein (AA 1-316) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KNSTRN
Protein Characteristics:	AA 1-316
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KNSTRN protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat KNSTRN Protein expressed in mammalian cells.
Sequence:	<p>MAAPEAPPLD RVFRTTWLST ECDSHPLPPS YRKFLFETQA ADLAGGTTVA AGNLLNESEK  DCGQDRRAPG VQPCRLVTMT SVVKTVYSLQ PPSALSGGQP ADTQTRATSK SLLPVRSEK  DVSKQLHSGG PENDVTKITK LRRENGQMK TDTATRRNVR KGYKPLSKQK SEEELKDKNQ  LLEAVNKQLH QKLTETQGE KDLTQKVELL EKFRDNCLAI LESKGLDPAL GSETLASRQE  STTDHMD SML LLET LQEELK LFNETAKKQM EELQALKVKL EMKEERVRL EQQTL C NNQV  NDLTTALKEM EQLLEM</p> <p><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></p>
Characteristics:	<p>Key Benefits:</p> <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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

## Target Details

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Target:	KNSTRN
Alternative Name:	KNSTRN ( <a href="#">KNSTRN Products</a> )
Background:	<p>Small kinetochore-associated protein (SKAP) (Kinetochore-localized astrin-binding protein) (Kinastrin) (Kinetochore-localized astrin/SPAG5-binding protein) (TRAF4-associated factor 1),FUNCTION: Essential component of the mitotic spindle required for faithful chromosome segregation and progression into anaphase (PubMed:19667759). Promotes the metaphase-to-anaphase transition and is required for chromosome alignment, normal timing of sister chromatid segregation, and maintenance of spindle pole architecture (PubMed:19667759, PubMed:22110139). The astrin (SPAG5)-kinastrin (SKAP) complex promotes stable microtubule-kinetochore attachments (PubMed:21402792). Required for kinetochore oscillations and dynamics of microtubule plus-ends during live cell mitosis, possibly by forming a link between spindle microtubule plus-ends and mitotic chromosomes to achieve faithful cell division (PubMed:23035123). May be involved in UV-induced apoptosis via its interaction with PRPF19, however, these results need additional evidences (PubMed:24718257).</p> <p>{ECO:0000269 PubMed:19667759, ECO:0000269 PubMed:21402792, ECO:0000269 PubMed:22110139, ECO:0000269 PubMed:23035123, ECO:0000305 PubMed:24718257}.</p>

## Target Details

Molecular Weight:	35.4 kDa
UniProt:	<a href="#">Q9Y448</a>
Pathways:	<a href="#">M Phase</a>

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months