

Datasheet for ABIN7554346
KIF18A Protein (AA 1-898) (His tag)



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Overview

Quantity:	1 mg
Target:	KIF18A
Protein Characteristics:	AA 1-898
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF18A protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat KIF18A Protein expressed in mammalien cells.
Sequence:	MSVTEEDLCH HMKVVVRVRP ENTKEKAAGF HKVVHVVDKH ILVFDPKQEE VFFFHGKKT NQNVIKKQNK DLKFVFDVAV DETSTQSEVF EHTTKPILRS FLNGYNCTVL AYGATGAGKT HTMLGSADEP GVMYLTMLHL YKCMDEIKEE KICSTAVSYL EVYNEQIRDL LVNSGPLAVR EDTQKGVVVH GLTLHQPKSS EEILHLLDNG NKNRTQHPTD MNATSSRSHA VFQIYLRQQD KTASINQNR IAKMSLIDLA GSERASTSGA KGTRFVEGTN INRLLALGN VINALADSKR KNQHIPYRNS KLTRLLKDSL GGNCQTIMIA AVSPSSVFYD DTYNLKYAN RAKDIKSSLK SNVLNVNNHI TQYVKICNEQ KAEILLLKEK LKAYEEQKAF TNENDQAKLM ISNPQEKEIE RFQEILNCLF QNREEIRQEY LKLEMLLKEN ELKSFYQQQC HKQIEMMCSE DKVEKATGKR DHRLAMLKTR RSYLEKRREE ELKQFDENTN WLHRVEKEMG LLSQNGHIPK ELKKDLHCHH LHLQNKDLKA QIRHMDLAC LQEQQHRQTE AVLNALLPTL RKQYCTLKEA GLSNAAFESD FKEIEHLVER KKVVVWADQT AEQPKQNDLP GISVLMTFPQ LGPVQPIPC C SSSGGTNLVK

Product Details

IPTEKRTRRK LMPSPKGGQH TLKSPPSQSV QLNDLSLSEL QPIVYTPEDC RKAQNPSTV
TLMKPSSFTT SFQAISNIN SDNCLKMLCE VAIPHNRRKE CGQEDLDSTF TICEDIKSSK
CKLPEQESLP NDNKDILQRL DPSSFSTKHS MPVPSMVPSY MAMTTAAKRK RKLTSSTSNS
SLTADVNSGF AKRVRQDNSS EKHLQENKPT MEHKRNICKI NPSMVRKFGR NISKGNLR

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.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- 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

Target:

KIF18A

Alternative Name:

KIF18A ([KIF18A Products](#))

Background:

Kinesin-like protein KIF18A (Marrow stromal KIF18A) (MS-KIF18A),FUNCTION: Microtubule-depolymerizing kinesin which plays a role in chromosome congression by reducing the amplitude of preanaphase oscillations and slowing poleward movement during anaphase, thus suppressing chromosome movements. May stabilize the CENPE-BUB1B complex at the kinetochores during early mitosis and maintains CENPE levels at kinetochores during chromosome congression. {ECO:0000269|PubMed:17346968,

Target Details

ECO:0000269|PubMed:18267093, ECO:0000269|PubMed:18513970,
ECO:0000269|PubMed:19625775}.

Molecular Weight: 102.3 kDa

UniProt: [Q8NI77](#)

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