

Datasheet for ABIN7562127  
**KIF23 Protein (AA 1-953) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KIF23
Protein Characteristics:	AA 1-953
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF23 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Kif23 Protein expressed in mammalian cells.
Sequence:	<p>MKSAKAKTVR KPIVIKGSQT NLKDPVGVYC RVRPLSFPDQ ECCVEVINST TLQLHTPEGY RLNRNGDYKE TQYSFKRVFG THTTQKELFD VVANPLVDDL IHGKNGLLFT YGVTGSGKTY TMTGSPGSGG LLPRCLNMIF NSIGSFQAKR YVFKSNDNRNS MEIQCEVDAL LERQKREALP IPKTPSSKRQ ADPEFADMIN VQEFCKAEEV DEDSVYGVFV SYIEIYNNYI YDLLEEVQFD PIKPKLPQSK TLREDKNHNM YVAGCTEVEV KSTEEAFEVW WRGQKKRRIA NTHLNRESSR SHSVFSIKLV QAPLDADGDN VLQEKEQITI SQLSLVDLAG SERTNRTKAE GNRLREAGNI NQSLMTLRTC MEVLRENQTY GTNKMVPYRD SKLTHLFKNY FDGEGKVRMI VCVNPKAEDY EESLQVMRFA EVTQEVEVAR PVDKVICGLT PGRRYRNLP RGGVGDPELV PEVILQSFPF LPPCKLLDIN DEETLPKPAD TLEKRHHLRQ LMTEDLNKCC LAFKALLKEF DNSLSNKENY VQEKLNEREK VISGQKLEIE RLEKKNKTLE YKIEILEKTT TIYEEDKRNL QQELESQNQK LQRQFSDKRR LEARLQGMVT ETSMKWQKEC ERRVAATQLE MQNKLWVKDE KLKQLKAIVT EPKPEKPERP SRERDREKII PRSVSPSPLP LSSNNIAQIS NGQQLMSQPQ LHRRSNSCSS</p>

## Product Details

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ISVASCISEW EQKLSPFSTP VNVTSLARHR QQEPGQSKTC IVSDRRRGMC WTEGREMVP  
FSSEIGVEED HCRNTPIPV RHRRSRSAGS RWVDHKPASN VQTETVMQPH VPHAITVSV  
NEKALAKCEK YMLTHQELAS DGEIQTQVIK GDVYKTRGGG QSVQFTDIET LKQELPTGSR  
KRRSSTLAPA QPDGTESEWT DVETRCSSAV EMRAGSQLGP GYQHHAQPKR KKP **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

## Target Details

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Target: KIF23

Alternative Name: Kif23 ([KIF23 Products](#))

Background: Kinesin-like protein KIF23,FUNCTION: Component of the centralspindlin complex that serves as a microtubule-dependent and Rho-mediated signaling required for the myosin contractile ring formation during the cell cycle cytokinesis. Essential for cytokinesis in Rho-mediated signaling. Required for the localization of ECT2 to the central spindle. Plus-end-directed motor enzyme

## Target Details

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that moves antiparallel microtubules in vitro (By similarity). {ECO:0000250}.

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Molecular Weight: 108.8 kDa

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UniProt: [E9Q5G3](#)

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## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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