

Datasheet for ABIN7560239  
**KIF2C Protein (AA 1-721) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KIF2C
Protein Characteristics:	AA 1-721
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF2C protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Kif2c Protein expressed in mammalian cells.
Sequence:	MESLHARLFP GLSINIQRSN GLIHANIST VNVEKSCVSV EWIEGGTTKG KEIDIDDVAA INPELLQLLP LRPKDSLPLQ ENVTVPKQKR KSVNSKIPAL KEGLRSRSTR MSTVSEVRIP AQENEMEVEL PVPTNSRKQF AIPSHPRASC STVTELP LLM VSEEAEQAH STRSTSSANP GNSVRRKSCI VKEMEKMKNK REEKRAQNSE LRIKRAQEYD SSFPNWEFAR MIKEFRVTME CSPLTVTDPI EEHRICVCVR KRPLNKQELA KKEIDVISVP SKCLLLVHEP KLKVDLTKYL ENQAFCFDFA FDETASNEVV YRFTARPLVQ TIFEGGKATC FAYGQTGSGK THTMGGDLSG KSQNASKGIY AMASRDVFLN KNQPRYRNLN LEVYVTFEYI YNGKVFDLLN KKAKLRVLED SRQQVQVWGL QEYLVTCAAD VIKMINMGSA CRTSGQTFAN SNSSRSHACF QILLRTKGRL HGKFSLVDLA GNERGADTSS ADRQTRMEGA EINKSLLALK ECIRALGQNK AHTPFRESKL TQVLRDSFIG ENSRTCMIAM ISPGISSCEY TLNTRYADR VKELSPHSGP SGEQPVQMET EVMEASSNGT SLTGNEEEEL SSQMSSFNEA MTQIRELEER ALEELREIIQ QGPNWLELSE MTDQPDYDLE TFDVKAESAL TQQAQAKHF SALREVIKAL RLAMQLEEQA SKQINSKRRH Q

## Product Details

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**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:** KIF2C

**Alternative Name:** Kif2c ([KIF2C Products](#))

**Background:** Kinesin-like protein KIF2C (Mitotic centromere-associated kinesin) (MCAK),FUNCTION: In complex with KIF18B, constitutes the major microtubule plus-end depolymerizing activity in mitotic cells (PubMed:14980225). Regulates the turnover of microtubules at the kinetochore and functions in chromosome segregation during mitosis. Plays a role in chromosome congression and is required for the lateral to end-on conversion of the chromosome-microtubule attachment (By similarity). {ECO:0000250|UniProtKB:Q99661, ECO:0000269|PubMed:14980225}.

## Target Details

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Molecular Weight: 81.1 kDa

UniProt: [Q922S8](#)

Pathways: [Microtubule Dynamics](#)

## 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.

Restrictions: For Research Use only

## Handling

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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