

Datasheet for ABIN7562034  
**KIF16B Protein (AA 1-1312) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	KIF16B
Protein Characteristics:	AA 1-1312
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF16B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Kif16b Protein expressed in mammalien cells.
Sequence:	MASVKVAVRV RPMNRREKDL EAKFIIQMEK SKTTITNLKI PEGGTGDSGR ERTKTFTYDF SFYSADTKSP DYVSQEMVFK TLGTDVVKSA FEGYNACVFA YGQTGSGKSY TMMGNSGDSG LIPRICEALF SRINETTRWD EASFRTEVS Y LEIYNERVRD LLRRKSSKTF NLRVREHPKE GPYVEDLSKH LVQNYSDVEE LMDAGNINRT TAATGMNDVS SRSHAFTIK FTQAKFDAEM PCETVSKIHL VDLAGSERAD ATGATGVRLK EGGNINKSLV TLGNVISALA DLSQDAANPL VKKKQVFVPY RDSVLTWLLK DSLGGNSKTI MIATISPADV NYGETLSTLR YANRAKNIIN KPTINEDANV KLIRELRAEI ARLKTLLAQG NQIALLDSP ALSMEEKLHQ NEARVQELTK EWTNKWNETQ NILKEQTLAL RKEGIGVVD SELPHLIGID DLLLSTGIIL YHLKEGQTYV GREDASTEQD IVLHGLDLES EHCVFENAGG TVTLIPLRGS QCSVNGVQIV DATQLNQGAV ILLGRTNMFR FNHPKEAAKL REKRKSGLLS SFSLSM TDLS KSCENLSAVM LYNPGLEFER QQREELEKLE SKRKLIEEME EKQKSDKAEL ERMQQEVETR RKETEIVQRQ IRKQEESLKR

RSFHINKLK DLLAEKERFE EERLREQQGL EQRRQEEES LFRIREELRK LQELNSHEQA  
EKVQIFQELD RLHQEQNAQS AKLRLEKRRL EEEEKEVQR VAHLEEQLRK RQDTAPLLCP  
GEAQRQEEK RELESIREAL LQAKEMRAGG DHTCRDELER AQQYFLEFKR RQLVKLASLE  
KDLVQKDLL SKEVQEEKVA LEHVKCDAGG DPSFLATDDG NILGGPPDLD KIKTAETRLQ  
SREHQLQDLL QNHLPALLEE KQRVLDALDS GVLGLDTTLC QVEKEVGEKE EQIAQYQANA  
SQLQQLRATF EFTANVARQE EKVRREKEI LESQEKQRE ALEQAVAKLE QRRSALQRCS  
TLDLEIQEQR QKLGSLHTSE WSGWQASLET DGEALEMDPA RLEHEIHLK QKICEVDGVQ  
RPHHGILEGQ AVLSSLPPSG GNSHLAPLMD ARISAYIEEE VQRRHLHLR AIGDANHTPA  
DVMKSNEELH NGTTQRKLY ERMYSRSLGT NRDDLKDKPIK ISIPRYVLCG QGKDEHFefe  
VKISVLDETW TVFRYSRFR EMHKTLKLY AELAALEFPP KKLFGNKDER VVAERRTHLE  
KYLREFFSVM LQSETSPLHI NKVGLTSLKH TICEFSPFFK KGVFDYSSHG TG **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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

KIF16B

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## Target Details

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Alternative Name:	<a href="#">Kif16b (KIF16B Products)</a>
Background:	Kinesin-like protein KIF16B,FUNCTION: Plus end-directed microtubule-dependent motor protein involved in endosome transport and receptor recycling and degradation. Regulates the plus end motility of early endosomes and the balance between recycling and degradation of receptors such as EGF receptor (EGFR) and FGF receptor (FGFR). Regulates the Golgi to endosome transport of FGFR-containing vesicles during early development, a key process for developing basement membrane and epiblast and primitive endoderm lineages during early postimplantation development. {ECO:0000269 PubMed:21238925}.
Molecular Weight:	150.1 kDa
UniProt:	<a href="#">B1AVY7</a>
Pathways:	<a href="#">EGFR Signaling Pathway</a>

## Application Details

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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

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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