

Datasheet for ABIN7554374
KIF16B Protein (AA 1-1317) (His tag)



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Overview

Quantity:	1 mg
Target:	KIF16B
Protein Characteristics:	AA 1-1317
Origin:	Human
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:	<p>MASVKVAVRV RPMNRREKDL EAKFIIQMEK SKTTITNLKI PEGGTGDSGR ERTKTFTYDF SFYSADTKSP DYVSQEMVFK TLGTDVVKSA FEGYNACVFA YGQTGSGKSY TMMGNSGDSG LIPRICEGLF SRINETTRWD EASFRTEVSY LEIYNERVRD LLRRKSSKTF NLRVREHPKE GPYVEDLSKH LVQNYGDVEE LMDAGNINRT TAATGMNDVS SRSHAFTIK FTQAKFDSEM PCETVSKIHL VDLAGSERAD ATGATGVRLK EGGNINKSLV TLGNVISALA DLSQDAANTL AKKKQVFVPY RDSVLTWLLK DSLGGNSKTI MIATISPADV NYGETLSTLR YANRAKNIIN KPTINEDANV KLIRELRAEI ARLKTLLAQG NQIALLDSP ALSMEEKLQQ NEARVQELTK EWTNKWNETQ NILKEQTLAL RKEGIGVVD SELPHLIGID DLLLSTGIIL YHLKEGQTYV GRDDASTEQD IVLHGLDLES EHCIFENIGG TVTLIPLSGS QCSVNGVQIV EATHLNQGAV ILLGRTNMFR FNHPKEAAKL REKRKSGLLS SFSLSMTDLS KSRENLSAVM LYNPGLEFER QQREELEKLE SKRKLIEEME EKQKSDKAEL ERMQQEVETQ RKETEIVQLQ IRKQEESLKR</p>

RSFHIEKLNK DLLAEKEKFE EERLREQEI ELQKKRQEEE TFLRVQEELQ RLKELNNNEK
AEKFQIFQEL DQLQKEKDEQ YAKLELEKRR LEEQEKEQVM LVAHLEEQLR EKQEMIQLLR
RGEVQWVEEE KRDLEGIRES LLRVKEARAG GDEDGEELEK AQLRFFEFKR RQLVKLVNLE
KDLVQKQDIL KKEVQEEQEI LECLKCEHDK ESRLLLEKHDE SVTDVTEVPQ DFEKIKPVEY
RLQYKERQLQ YLLQNHLPPL LEEKQRAFEI LDRGPLSLDN TLYQVEKEME EKEEQLAQYQ
ANANQLQKLQ ATFEFTANIA RQEEKVRKKE KEILESREKQ QREALERALA RLERRHSALQ
RHSTLGMEIE EQRQKSLASLN SGSREQSGLQ ASLEAEQEAL EKDQERLEYE IQQLKQKIYE
VDGVQKDHHG TLEGKVASSS LPVSAEKSHL VPLMDARINA YIEEEVQRRR QDLHRVISEG
CSTSADTMKD NEKLHNGTIQ RKLKYERMVS RSLGANPDDL KDPIKISIPR YVLCGQKDA
HFEFEVKITV LDETWTVFRR YSRFREMHTK LKLKYAELAA LEFPPKCLFG NKDERVIAER
RSHLEKYLRD FFSVMLQSAT SPLHINKVGL TLSKHTICEF SPFFKKGVFD YSSHGTG **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:

KIF16B

Target Details

Alternative Name:	KIF16B (KIF16B Products)
Background:	<p>Kinesin-like protein KIF16B (Sorting nexin-23),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.</p> <p>{ECO:0000269 PubMed:15882625}.</p>
Molecular Weight:	152.0 kDa
UniProt:	Q96L93
Pathways:	EGFR Signaling Pathway

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