

Datasheet for ABIN7554312
KIF4B Protein (AA 1-1234) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	KIF4B
Protein Characteristics:	AA 1-1234
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF4B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KIF4B Protein expressed in mammalian cells.
Sequence:	<p> MKEEVKGIPV RVALRCRPLV PKEISEGCQM CLSFVPGETQ VVGTDKSFT YDFVFDPCTE QEEVFNKAVA PLIKGIFKGY NATVLAYGQT GSGKTYSMGG AYTAEQENEP TVGIIPRVIQ LLFKEIDKKS DFEFTLKVSY LEIYNEEILD LLCPSREKAQ INIREDPKEG IKIVGLTEKT VLVALDTVSC LEQGNNSTRTV ASTAMNSQSS RSHAFTISI EQRKKS DKNC SFRSKLHLVD LAGSERQKKT KAEGDRLKEG ININRGLLCL GNVISALGDD KKG SFVPYRD SKLTRLLQDS LGGNSHTLMI ACVSPADSNL EETLSTLRYA DRARKIKNKP IVNIDPHTAE LNHLKQQVQQ LQVLLLQAHG GTLPGSINAE PSENQLSLME KNQSLVEENE KLSRCLSKAA GQTAQMLERI ILTEQVNEKL NAKLEELRQH VACKLDLQKL VETLEDQELK ENVEIICNLQ QLITQLSDET VACTAAAITD AVEEEAQVET SPETSRSSDA FTTQHALHQA QMSKEVELN NALALKEALV RKMTQNDNQL QPIQFYQDN IKNLELEVIN LQKEKEELVR ELQTAKKNVN QAKLSEHRHK LLQELEGQIA DLKKKLNEQS KLLKLKESTE RTVSKLNQEI WMMKNQRVQL MRQMKEDAEK FRQWKQKKDK EVIQLKERDR KRQYELLKLE RNFAQQSSVL RRTTEAAAAA NKRLKDALQK QREVTDKRKE </p>

TQSHGKEGIA ARVRNWLGNE IEVMVSTEEA KRHLNDLLED RKILAQDVVQ LKEKKESREN
PPPKLRKCTF SLSEVHGQVL ESEDCITKQI ESLETEMELR SAQIADLQKQ LLDAESED RP
KQCWENIATI LEAKCALKYL IGELVSSKIH VTKLENSLRQ SKASCADMQK MLFEEQNHFS
EIETELQ AEL VRMEQQHQEK VLYLVSQLQE SQMAEKQLEK SASEKEQQLV STLQCQDEEL
EKMREVCEQN QQLQENEII KQKLILLQVA SRQKHL PNDT LLSPDSSF EY IPPKPKPSRV
KEKFLEQSMD IEDLKYCSEH SVNEHEDGDG DGDSDEGDDE EWKPTKLVKV SRKNIQGCSC
KGWCGNKQCG CRKQKSDCGV DCSCDPTKCR NRQQGKDSL G TVEQTQDSEG SFKLEDPT EV
TPGLSFFNPV CATPNSKILK EMCDMEQVLS KKTAPAPSPF DLPESKHGAT EYQQNKP PGK
KKKRALASNT SFFSGCSPIE EEAH **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	KIF4B
Alternative Name:	KIF4B (KIF4B Products)

Target Details

Background:	Chromosome-associated kinesin KIF4B (Chromokinesin-B),FUNCTION: Iron-sulfur (Fe-S) cluster binding motor protein that has a role in chromosome segregation during mitosis (By similarity). Translocates PRC1 to the plus ends of interdigitating spindle microtubules during the metaphase to anaphase transition, an essential step for the formation of an organized central spindle midzone and midbody and for successful cytokinesis (By similarity). May play a role in mitotic chromosomal positioning and bipolar spindle stabilization (By similarity). {ECO:0000250 UniProtKB:O95239, ECO:0000250 UniProtKB:P33174}.
Molecular Weight:	140.0 kDa
UniProt:	Q2VIQ3

Application Details

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

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