

Datasheet for ABIN7554331

KIF21B Protein (AA 1-1637) (His tag)



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Overview

Quantity:	1 mg
Target:	KIF21B
Protein Characteristics:	AA 1-1637
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF21B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KIF21B Protein expressed in mammalian cells.
Sequence:	MAGQGDCCKV VAVRIRPQLS KEKIEGCHIC TSVTPGEPQV LLGKDKAFTY DFVFDLDTWQ EQIYSTCVSK LIEGCFEGYN ATVLAYGQTG AGKTYTMGTG FDMATSEEEQ GIIPRAIAHL FGGIAERKRR AQEQGVAGPE FKVSAQFLEL YNEEILDLFD STRDPDTRHR RSNIKIHEDA NGGIYTTGVT SRLIHSQEEL IQCLKQGALS RTTASTQMNQ QSSRSHAIPT IHLQMRMCT QPDLVNEAVT GLPDGTPPSS EYETLTAKFH FVDLAGSERL KRTGATGERA KEGISINCGL LALGNVISAL GDQSKKVVHV PYRDSKLTR LQDSLGGNSQ TIMIACVSPS DRDFMETLNT LKYANRARNI KNKVVVNQDK TSQQISALRA EIARLQMELM EYKAGKRVIG EDGAEGYSDL FRENAMLQKE NGALRLRVKA MQEAIDAINN RVTQLMSQEA NLLAKAGDG NEAIGALIQN YIREIEELRT KLESEAMNE SLRRSLSRAS ARSPYSLGAS PAAPAFGGSP ASSMEDASEV IRRAKQDLER LKKKEVRQRR KSPEKEAFKK RAKLQQENSE ETDENEAEAE EEERDESGCE EEEGREDEDE DSGSEESLVD SDSDPKEEV NFQADLADLT CEIEIKQKLI DELENSQRRL QTLKHQYEEK LILLQNKIRD TQLERDRVLQ NLSTMECYTE EKANKIKADY EKRLREMNDR

LQKLQAAQKE HARLLKNQSR YERELKKLQA EVAEMKKAKV ALMKQMREEQ QRRRLVETKR
NREIAQLKKE QRRQEFQIRA LESQKRQQEM VLRRKTQEVs ALRRLAKPMS ERVAGRAGLK
PPMLDSGAEV SASTTSSEAE SGARSVSSIV RQWNRKINHF LGDHPAPTVN GTRPARKKFQ
KKGASQSFSK AARLKWQSLE RRIIDIVMQR MTIVNLEADM ERLIKKREEL FLLQEALRRK
RERLQAESPE EEKGLQELAE EIEVLAANID YINDGITDCQ ATIVQLEETK EELDSTDTSV
VISSCSLAEA RLLLDNFLKA SIDKGLQVAQ KEAQIRLLEG RLRQTD MAGS SQNHLLLDAL
REKAEAHPEL QALIYNVQQE NGYASTDEEI SEFSEGSFSQ SFTMKGSTSH DDFKFKSEPK
LSAQMKAVSA ECLGPPLDIS TKNITKSLAS LVEIKEDGVG FSVRDPYYRD RVSRTVSLPT
RGSTFPRQSR ATETSPLTRR KSYDRGQPIR STDVGFTPPS SPPTRPNRND NVFSRLTSNQ
SQGSALDKSD DSDSSLSEVL RGIISPVGGA KGARTAPLQC VSMAEGHTKP ILCLDATDEL
LFTGSKDRSC KMWNLV TGQE IAALKGHPNN VVSIKYCSHS GLVFSVSTSY IKVWDIRD SA
KCIRTLTSSG QVISGDACAA TSTRAITSAQ GEHQINQIAL SPSGTMLYAA SGN AVRIWEL
SRFQPVGKLT GHIGPVMCLT VTQTASQHD L VVTGSKDHYV KMFELGECVT GTIGPTHNFE
PPHYDGIECL AIQGDILFSG SRDNGIKKWD LDQQELIQQI PNAHKDWVCA LAFIPGRPML
LSACRAGVIK VWNVDNFTPI GEIKGHDSP I NAICTNAKHI FTASSDCRVK LWNYPGLTP
CLPRRVLAIK GRATTLP **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.

Product Details

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

Target Details

Target:	KIF21B
Alternative Name:	KIF21B (KIF21B Products)
Background:	Kinesin-like protein KIF21B,FUNCTION: Plus-end directed microtubule-dependent motor protein which displays processive activity. Is involved in regulation of microtubule dynamics, synapse function and neuronal morphology, including dendritic tree branching and spine formation. Plays a role in learning and memory. Involved in delivery of gamma-aminobutyric acid (GABA(A)) receptor to cell surface. {ECO:0000250 UniProtKB:Q9QXL1}.
Molecular Weight:	182.7 kDa
UniProt:	O75037

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