Datasheet for ABIN7554311

KIF24 Protein (AA 1-1368) (His tag)

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Overview

Quantity:	1 mg
Target:	KIF24
Protein Characteristics:	AA 1-1368
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF24 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KIF24 Protein expressed in mammalian cells.
Sequence:	MASWLYECLC EAELAQYYSH FTALGLQKID ELAKITMKDY SKLGVHDMND RKRLFQLIKI IKIMQEEDKA VSIPERHLQT SSLRIKSQEL RSGPRRQLNF DSPADNKDRN ASNDGFEMCS LSDFSANEQK STYLKVLEHM LPDDSQYHTK TGILNATAGD SYVQTEISTS LFSPNYLSAI LGDCDIPIIQ RISHVSGYNY GIPHSCIRQN TSEKQNPWTE MEKIRVCVRK RPLGMREVRR GEINIITVED KETLLVHEKK EAVDLTQYIL QHVFYFDEVF GEACTNQDVY MKTTHPLIQH IFNGGNATCF AYGQTGAGKT YTMIGTHENP GLYALAAKDI FRQLEVSQPR KHLFVWISFY EIYCGQLYDL LNRRKRLFAR EDSKHMVQIV GLQELQVDSV ELLLEVILKG SKERSTGATG VNADSSRSHA VIQIQIKDSA KRTFGRISFI DLAGSERAAD ARDSDRQTKM EGAEINQSLL ALKECIRALD QEHTHTPFRQ SKLTQVLKDS FIGNAKTCMI ANISPSHVAT EHTLNTLRYA DRVKELKKGI KCCTSVTSRN RTSGNSSPKR IQSSPGALSE DKCSPKKVKL GFQQSLTVAA PGSTRGKVHP LTSHPPNIPF TSAPKVSGKR GGSRGSPSQE WVIHASPVKG TVRSGHVAKK KPEESAPLCS EKNRMGNKTV LGWESRASGP GEGLVRGKLS TKCKKVQTVQ PVQKQLVSRV

	ELSFGNAHHR AEYSQDSQRG TPARPASEAW TNIPPHQKER EEHLRFYHQQ FQQPPLLQQK LKYQPLKRSL RQYRPPEGQL TNETPPLFHS YSENHDGAQV EELDDSDFSE DSFSHISSQR ATKQRNTLEN SEDSFFLHQT WGQGPEKQVA ERQQSLFSSP RTGDKKDLTK SWVDSRDPIN HRRAALDHSC SPSKGPVDWS RENSTSSGPS PRDSLAEKPY CSQVDFIYRQ ERGGGSSFDL RKDASQSEVS GENEGNLPSP EEDGFTISLS HVAVPGSPDQ RDTVTTPLRE VSADGPIQVT STVKNGHAVP GEDPRGQLGT HAEYASGLMS PLTMSLLENP DNEGSPPSEQ LVQDGATHSL VAESTGGPVV SHTVPSGDQE AALPVSSATR HLWLSSSPPD NKPGGDLPAL SPSPIRQHPA DKLPSREADL GEACQSRETV LFSHEHMGSE QYDADAEETG LDGSWGFPGK PFTTIHMGVP HSGPTLTPRT GSSDVADQLW AQERKHPTRL GWQEFGLSTD PIKLPCNSEN VTWLKPRPIS RCLARPSSPL VPSCSPKTAG TLRQPTLEQA QQVVIRAHQE QLDEMAELGF KEETLMSQLA SNDFEDFVTQ LDEIMVLKSK CIQSLRSQLQ LYLTCHGPTA APEGTVPS **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

Target:	KIF24
Alternative Name:	KIF24 (KIF24 Products)
Background:	Kinesin-like protein KIF24,FUNCTION: Microtubule-dependent motor protein that acts as a negative regulator of ciliogenesis by mediating recruitment of CCP110 to mother centriole in cycling cells, leading to restrict nucleation of cilia at centrioles. Mediates depolymerization of microtubules of centriolar origin, possibly to suppress aberrant cilia formation (PubMed:21620453). Following activation by NEK2 involved in disassembly of primary cilium during G2/M phase but does not disassemble fully formed ciliary axonemes. As cilium assembly and disassembly is proposed to coexist in a dynamic equilibrium may suppress nascent cilium assembly and, potentially, ciliar re-assembly in cells that have already disassembled their cilia ensuring the completion of cilium removal in the later stages of the cell cycle (PubMed:26290419). Plays an important role in recruiting MPHOSPH9, a negative regulator of cilia formation to the distal end of mother centriole (PubMed:30375385). {ECO:0000269|PubMed:21620453, ECO:0000269|PubMed:26290419, ECO:0000269|PubMed:30375385}.
Molecular Weight:	151.9 kDa
UniProt:	Q5T7B8

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