Datasheet for ABIN7554381

KIF23 Protein (AA 1-960) (His tag)

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Overview

Quantity:	1 mg
Target:	KIF23
Protein Characteristics:	AA 1-960
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF23 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KIF23 Protein expressed in mammalian cells.
Sequence:	MKSARAKTPR KPTVKKGSQT NLKDPVGVYC RVRPLGFPDQ ECCIEVINNT TVQLHTPEGY RLNRNGDYKE TQYSFKQVFG THTTQKELFD VVANPLVNDL IHGKNGLLFT YGVTGSGKTH TMTGSPGEGG LLPRCLDMIF NSIGSFQAKR YVFKSNDRNS MDIQCEVDAL LERQKREAMP NPKTSSSKRQ VDPEFADMIT VQEFCKAEEV DEDSVYGVFV SYIEIYNNYI YDLLEEVPFD PIKPKPPQSK LLREDKNHNM YVAGCTEVEV KSTEEAFEVF WRGQKKRRIA NTHLNRESSR SHSVFNIKLV QAPLDADGDN VLQEKEQITI SQLSLVDLAG SERTNRTRAE GNRLREAGNI NQSLMTLRTC MDVLRENQMY GTNKMVPYRD SKLTHLFKNY FDGEGKVRMI VCVNPKAEDY EENLQVMRFA EVTQEVEVAR PVDKAICGLT PGRRYRNQPR GPVGNEPLVT DVVLQSFPPL PSCEILDIND EQTLPRLIEA LEKRHNLRQM MIDEFNKQSN AFKALLQEFD NAVLSKENHM QGKLNEKEKM ISGQKLEIER LEKKNKTLEY KIEILEKTTT IYEEDKRNLQ QELETQNQKL QRQFSDKRRL EARLQGMVTE TTMKWEKECE RRVAAKQLEM QNKLWVKDEK LKQLKAIVTE PKTEKPERPS RERDREKVTQ RSVSPSPVPL SSNYIAQISN GQQLMSQPQL HRRSNSCSSI

Product Details

	SVASCISEWE QKIPTYNTPL KVTSIARRRQ QEPGQSKTCI VSDRRRGMYW TEGREVVPTF RNEIEIEEDH CGRLLFQPDQ NAPPIRLRHR RSRSAGDRWV DHKPASNMQT ETVMQPHVPH AITVSVANEK ALAKCEKYML THQELASDGE IETKLIKGDI YKTRGGGQSV QFTDIETLKQ ESPNGSRKRR SSTVAPAQPD GAESEWTDVE TRCSVAVEMR AGSQLGPGYQ HHAQPKRKKP **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:	KIF23
Alternative Name:	KIF23 (KIF23 Products)
Background:	Kinesin-like protein KIF23 (Kinesin-like protein 5) (Mitotic kinesin-like protein 1),FUNCTION: Component of the centralspindlin complex that serves as a microtubule-dependent and Rho-mediated signaling required for the myosin contractile ring formation during the cell cycle cytokinesis. Essential for cytokinesis in Rho-mediated signaling. Required for the localization of

Target Details

	ECT2 to the central spindle. Plus-end-directed motor enzyme that moves antiparallel microtubules in vitro. {ECO:0000269|PubMed:16103226, ECO:0000269|PubMed:16236794, ECO:0000269|PubMed:22522702, ECO:0000269|PubMed:23570799}.
Molecular Weight:	110.1 kDa
UniProt:	Q02241

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