Datasheet for ABIN7553072

CEP164 Protein (AA 1-1460) (His tag)

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Overview

Quantity:	1 mg
Target:	CEP164
Protein Characteristics:	AA 1-1460
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEP164 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CEP164 Protein expressed in mammalian cells.
Sequence:	MAGRPLRIGD QLVLEEDYDE TYIPSEQEIL EFAREIGIDP IKEPELMWLA REGIVAPLPG EWKPCQDITG DIYYFNFANG QSMWDHPCDE HYRSLVIQER AKLSTSGAIK KKKKKKEKKD KKDRDPPKSS LALGSSLAPV HVPLGGLAPL RGLVDTPPSA LRGSQSVSLG SSVESGRQLG ELMLPSQGLK TSAYTKGLLG SIYEDKTALS LLGLGEETNE EDEEESDNQS VHSSSEPLRN LHLDIGALGG DFEYEESLRT SQPEEKKDVS LDSDAAGPPT PCKPSSPGAD SSLSSAVGKG RQGSGARPGL PEKEENEKSE PKICRNLVTP KADPTGSEPA KASEKEAPED TVDAGEEGSR REEAAKEPKK KASALEEGSS DASQELEISE HMKEPQLSDS IASDPKSFHG LDFGFRSRIS EHLLDVDVLS PVLGGACRQA QQPLGIEDKD DSQSSQDELQ SKQSKGLEER LSPPLPHEER AQSPPRSLAT EEEPPQGPEG QPEWKEAEEL GEDSAASLSL QLSLQREQAP SPPAACEKGK EQHSQAEELG PGQEEAEDPE EKVAVSPTPP VSPEVRSTEP VAPPEQLSEA ALKAMEEAVA QVLEQDQRHL LESKQEKMQQ LREKLCQEEE EEILRLHQQK EQSLSSLRER LQKAIEEEEA RMREEESQRL SWLRAQVQSS TQADEDQIRA EQEASLQKLR EELESQQKAE RASLEQKNRQ

	MLEQLKEEIE ASEKSEQAAL NAAKEKALQQ LREQLEGERK EAVATLEKEH SAELERLCSS LEAKHREVVS SLQKKIQEAQ QKEEAQLQKC LGQVEHRVHQ KSYHVAGYEH ELSSLLREKR QEVEGEHERR LDKMKEEHQQ VMAKAREQYE AEERKQRAEL LGHLTGELER LQRAHERELE TVRQEQHKRL EDLRRRHREQ ERKLQDLELD LETRAKDVKA RLALLEVQEE TARREKQQLL DVQRQVALKS EEATATHQQL EEAQKEHTHL LQSNQQLREI LDELQARKLK LESQVDLLQA QSQQLQKHFS SLEAEAQKKQ HLLREVTVEE NNASPHFEPD LHIEDLRKSL GTNQTKEVSS SLSQSKEDLY LDSLSSHNVW HLLSAEGVAL RSAKEFLVQQ TRSMRRRQTA LKAAQQHWRH ELASAQEVAK DPPGIKALED MRKNLEKETR HLDEMKSAMR KGHNLLKKKE EKLNQLESSL WEEASDEGTL GGSPTKKAVT FDLSDMDSLS SESSESFSPP HREWWRQQRI DSTPSLTSRK IHGLSHSLRQ ISSQLSSVLS ILDSLNPQSP PPLLASMPAQ LPPRDPKSTP TPTYYGSLAR FSALSSATPT STQWAWDSGQ GPRLPSSVAQ TVDDFLLEKW RKYFPSGIPL LSNSPTPLES RLGYMSASEQ LRLLQHSHSQ VPEAGSTTFQ GIIEANRRWL ERVKNDPRLP LFSSTPKPKA TLSLLQLGLD EHNRVKVYRF **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:	CEP164
Alternative Name:	CEP164 (CEP164 Products)
Background:	Centrosomal protein of 164 kDa (Cep164),FUNCTION: Plays a role in microtubule organization and/or maintenance for the formation of primary cilia (PC), a microtubule-based structure that protrudes from the surface of epithelial cells. Plays a critical role in G2/M checkpoint and nuclear divisions. A key player in the DNA damage-activated ATR/ATM signaling cascade since it is required for the proper phosphorylation of H2AX, RPA, CHEK2 and CHEK1. Plays a critical role in chromosome segregation, acting as a mediator required for the maintenance of genomic stability through modulation of MDC1, RPA and CHEK1. {ECO:0000269|PubMed:17954613, ECO:0000269|PubMed:18283122, ECO:0000269|PubMed:23348840}.
Molecular Weight:	164.3 kDa
UniProt:	Q9UPV0
Pathways:	M Phase

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