Datasheet for ABIN7554190

INCENP Protein (AA 1-918) (His tag)

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Overview

Quantity:	1 mg
Target:	INCENP
Protein Characteristics:	AA 1-918
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This INCENP protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat INCENP Protein expressed in mammalien cells.
Sequence:	MGTTAPGPIH LLELCDQKLM EFLCNMDNKD LVWLEEIQEE AERMFTREFS KEPELMPKTP SQKNRRKKRR ISYVQDENRD PIRRRLSRRK SRSSQLSSRR LRSKDSVEKL ATVVGENGSV LRRVTRAAAA AAAATMALAA PSSPTPESPT MLTKKPEDNH TQCQLVPVVE IGISERQNAE QHVTQLMSTE PLPRTLSPTP ASATAPTSQG IPTSDEESTP KKSKARILES ITVSSLMATP QDPKGQGVGT GRSASKLRIA QVSPGPRDSP AFPDSPWRER VLAPILPDNF STPTGSRTDS QSVRHSPIAP SSPSPQVLAQ KYSLVAKQES VVRRASRRLA KKTAEEPAAS GRIICHSYLE RLLNVEVPQK VGSEQKEPPE EAEPVAAAEP EVPENNGNNS WPHNDTEIAN STPNPKPAAS SPETPSAGQQ EAKTDQADGP REPPQSARRK RSYKQAVSEL DEEQHLEDEE LQPPRSKTPS SPCPASKVVR PLRTFLHTVQ RNQMLMTPTS APRSVMKSFI KRNTPLRMDP KCSFVEKERQ RLENLRRKEE AEQLRRQKVE EDKRRRLEEV KLKREERLRK VLQARERVEQ MKEEKKKQIE QKFAQIDEKT EKAKEERLAE EKAKKKAAAK KMEEVEARRK QEEEARRLRW LQQEEEERRH

Product Details

	QELLQKKKEE EQERLRKAAE AKRLAEQREQ ERREQERREQ ERREQERREQ ERREQERQLA EQERRREQER LQAERELQER EKALRLQKEQ LQRELEEKKK KEEQQRLAER QLQEEQEKKA KEAAGASKAL NVTVDVQSPA CTSYQMTPQG HRAPPKINPD NYGMDLNSDD STDDEAHPRK PIPTWARGTP LSQAIIHQYY HPPNLLELFG TILPLDLEDI FKKSKPRYHK RTSSAVWNSP PLQGARVPSS LAYSLKKH **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	INCENP
Alternative Name:	INCENP (INCENP Products)
Background:	Inner centromere protein,FUNCTION: Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. Acts as a scaffold regulating CPC localization and activity. The C-terminus associates with AURKB or AURKC, the N-terminus associated with BIRC5/survivin and CDCA8/borealin tethers the CPC to

Target Details

	the inner centromere, and the microtubule binding activity within the central SAH domain directs AURKB/C toward substrates near microtubules (PubMed:15316025, PubMed:12925766, PubMed:27332895). The flexibility of the SAH domain is proposed to allow AURKB/C to follow substrates on dynamic microtubules while ensuring CPC docking to static chromatin (By similarity). Activates AURKB and AURKC (PubMed:27332895). Required for localization of CBX5 to mitotic centromeres (PubMed:21346195). Controls the kinetochore localization of BUB1 (PubMed:16760428). {ECO:0000250|UniProtKB:P53352, ECO:0000269|PubMed:12925766, ECO:0000269|PubMed:15316025, ECO:0000269|PubMed:16760428, ECO:0000269|PubMed:21346195, ECO:0000269|PubMed:27332895}.
Molecular Weight:	105.4 kDa
UniProt:	Q9NQS7
Pathways:	Cell Division Cycle

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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