Datasheet for ABIN7563793

CENPJ Protein (AA 1-1344) (His tag)

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Overview

Quantity:	1 mg
Target:	CENPJ
Protein Characteristics:	AA 1-1344
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CENPJ protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cenpj Protein expressed in mammalian cells.
Sequence:	MFLMPTSSEL NSGQNFLTQW MTSPSRAGVI LNRGFPILEA DDKQAATNVS TSFPAKATHF SNSFSISSEE DSFHEEQKLE AGGPYKPWSE NPEAPPVFPS VRKEPIASRQ DAPGCQEDNN NDLTPHLESE FKEVANKNPL FKKLEQLKEI QQKKQEQLKR QQLEQLQRLM EEQEKLLTMV SAQHAFPGTL LPDDQSQKHR SPGDLTLPPH SYSNPTQENS CASNVLPDEQ SNFCRATQDS VLTSKNASDL FYESQYQEAH VKRNDLKEES PAHPSGEGAL PRWEKKMGRS QEGKDVNLQK CGDSSEVVNI DERPIKAAVR EKQQTFEDYL EEQIQLEERE LRQKQLQEAE GPLLAKTKPK QPFLKRGEGL ARFTNAKSKF QKGKESKLAS TQSPSEDQPG SKVDRQHLQR KTALINKDLC AETPTVKKDS KARPKAGFAS LRQKPKVTKT NMRESLSPPG LKVQTGKKRD GQFRHQVKGE RNAHASNKEN VPACIKPWDA GCKMWSKTQG RERLPLSTGP VGCVVSRSPI RETDRETESS LDFSLQKKLE IWEREKEKEN LELDEFLFLE RAADEISFSS NSSFVLRILE RDQQICDGHR LSSTPVKAVQ QREAQQADPR GQSNCSEIPR YGVAHENESE CEAMLLSWGS GSPDGLRELS CKRSMKAFQT STSEIQSQWD ARDDGVANSD SSTESEEQHD ITIKPSTEVG DRVFSNREDS

	PQVCDAKGPI RDTGAQEDKW RDADLDLSDK ECSSDESVIV ESLNNKVLEP LRLPSSQAGS KIDFDDERSW TDLEENPYEH GVIHREEAIY GTPQTQCHSK SEGCVLDKTI KRKIAPVKKG EDFKCDRRIS PPPPSDLMVK FFPSLKPKPK LDSHLENESK LNLSQDQPPE FMVCFIGDSV RSQVLREKVT ELESEIEKFK AENTSLAKLR IERESALEKL RKEIADFEQQ KARELARIEE YRKEETRKLQ KERKVFEKYT AAARTFPDKK EREEIQALKQ QIADLQEDLK RKETKWSSTQ SRLRSQIEML VKENTDLREE IKVMERFRLD AWKRAEAMEN SPKACQYMMA TKKDESMNSS FQFQKSHVSS GVQVEKYKKK YLPAQGNLSR RIKSAPPRDL GSSDKGQAAL PREPLQQVNF PDLEYKNKEE KEEEIQGEIS HPDGKVEKIY KNGRRVVLFP NGTRKEVSAD GKSVTVTFFN GDVKQVMPDE RVVYYYAAAQ TTHTTYPEGL EVLHFSSGQI EKHFPDGRKE ITFPDQTIKT LFADGQEESI FPDGTIVRVQ RDGNKIIEFN NGQRELHTAQ FKRREYPDGT VKTVYANGHQ ETKYTSGRVR VKDKDGNVLM DTEM **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:	CENPJ
Alternative Name:	Cenpj (CENPJ Products)
Background:	Centromere protein J (CENP-J),FUNCTION: Plays an important role in cell division and centrosome function by participating in centriole duplication. Inhibits microtubule nucleation from the centrosome. Involved in the regulation of slow processive growth of centriolar microtubules. Acts as microtubule plus-end tracking protein that stabilizes centriolar microtubules and inhibits microtubule polymerization and extension from the distal ends of centrioles. Required for centriole elongation and for STIL-mediated centriole amplification. Required for the recruitment of CEP295 to the proximal end of new-born centrioles at the centriolar microtubule wall during early S phase in a PLK4-dependent manner. May be involved in the control of centriolar-microtubule growth by acting as a regulator of tubulin release (By similarity). {ECO:0000250|UniProtKB:Q9HC77}.
Molecular Weight:	153.1 kDa
UniProt:	Q569L8
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