

Datasheet for ABIN7553413

**Centromere Protein C Pseudogene 1 (CENPCP1) (AA 1-943)  
protein (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Centromere Protein C Pseudogene 1 (CENPCP1)
Protein Characteristics:	AA 1-943
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

## Product Details

Purpose:	Custom-made recombinant CENPC Protein expressed in mammalian cells.
Sequence:	MAASGLDHLK NGYRRRFCRP SRARDINTEQ GQNVLEILQD CFEEKSLAND FSTNSTKSVP NSTRKIKDTC IQSPSKECQK SHPKSVPVSS KKKEASLQFV VEPSEATNRS VQAHEVHQKI LATDVSSKNT PDSKKISSRN INDHHSEADE EFYLSVGSPS VLLDAKTSVS QNVIPSSAQK RETYTFENSV NMLPSSTEVS VKTKKRLNFD DKVMLKKIEI DNKVSDEEDK TSEGQERKPS GSSQNRIRDS EYEIQRQAKK SFSTLFLETV KRKSESSPIV RHAATAPPHS CPPDDTKLIE DEFIIDESDQ SFASRSWITI PRKAGSLKQR TISPAESTAL LQGRKSREKH HNILPKTLAN DKHSHKPHPV ETSQPSDKTV LDTSYALIGE TVNNYRSTKY EMYSKNAEKP SRSKRTIKQK QRRKFMAKPA EEQLDVGQSK DENIHTSHIT QDEFQRNSDR NMEEHEEMGN DCVSKKQMPP VGSKKSSTRK DKEESKKKRF SSESKNLVP EEVTSTVTKS RRISRRPSDW WVKSEESPV YSNSSVRNEL PMHHNSSRKS TKKTNQSSKN IRKKTIPKLR QKTATKGNQR VQKFLNAEGS GGIVGHDEIS RCLSEPLES DEADLAKKKN LDCSRSTRSS KNEDNIMTAQ NVPLKPQTS YTCNIPTESN LDSGEHKTSV LEESGPSRLN NNYLMSGKND VDDEEVHGSS DDSKQSKVIP

## Product Details

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KNRIHHKLVL PSNTPNVRRT KRTRLKPLEY WRGERIDYQG RPSGGFVISG VLSPDTISSK  
RKAKENIGKV NKKSNNKRIC LDNDERKTNL MVNLGIPLGD PLQPTRVKDP ETREIILMDL  
VRPQDTYQFF VKHGELKVYK TLDTPFFSTG KLILGPQEEK GKQHVGQDIL VFYVNFGLL  
CTLHETPYIL STGDSFYVPS GNYYNIKCLR NEESVLLFTQ IKR **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.**

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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.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: Centromere Protein C Pseudogene 1 (CENPCP1)

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Alternative Name: CENPC ([CENPCP1 Products](#))

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Background: Centromere protein C (CENP-C) (Centromere autoantigen C) (Centromere protein C 1) (CENP-C 1) (Interphase centromere complex protein 7),FUNCTION: Component of the CENPA-NAC (nucleosome-associated) complex, a complex that plays a central role in assembly of kinetochore proteins, mitotic progression and chromosome segregation. The CENPA-NAC

## Target Details

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complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres. CENPC recruits DNA methylation and DNMT3B to both centromeric and pericentromeric satellite repeats and regulates the histone code in these regions. {ECO:0000269|PubMed:19482874, ECO:0000269|PubMed:21529714}.

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Molecular Weight: 106.8 kDa

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UniProt: [Q03188](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months