

Datasheet for ABIN7553171  
**CENPT Protein (AA 1-561) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CENPT
Protein Characteristics:	AA 1-561
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CENPT protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CENPT Protein expressed in mammalian cells.
Sequence:	<p>MADHNPDSDS TPRTLLRRVL DTADPRTPRR PRSARAGARR ALLETASPRK LSGQTRTIAR            GRSHGARSVG RSAHIQASGH LEEQTPRTLL KNILLTAPES SILMPESVVK PVPAPQAVQP            SRQESSCGSL ELQLEPELEPP TTLAPGLLAP GRRKQRLRLS VFQQGVDQGL SLSQEPQGNA            DASSLTRSLN LTFATPLQPQ SVQRPGLARR PPARRAVDVG AFLRDLRDTLS LAPPNIVLED            TQPFSSQPMVG SPNVYHSLPC TPHTGAEDAE QAAGRKTQSS GPGQLQKNSPG KPAQFLAGEA            EEVNAFALGF LSTSSGVSSE DEVEPLHDGV EEAEEKMEEE GVSVSEMEAT GAQGSPSRVEE            AEGHTEVTEA EGSQGTAEAD GPGASSGDED ASGRAASPES ASSTPESLQA RRHHQFLEPA            PAPGAAVLSS EPAEPLLRVH PPRPRTTGPR PRQDPHKAGL SHYVKLFSFY AKMPMERKAL            EMVEKCLDKY FQHLCCDDLEV FAAHAGRKTV KPEDLELLMR RQGLVTDQVS LHVLRHLP            LEYRQLLIPC AYSNGNSVFPA Q <b>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.</b></p>

## Product Details

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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

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## Target Details

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**Target:** CENPT

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**Alternative Name:** CENPT ([CENPT Products](#))

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**Background:** Centromere protein T (CENP-T) (Interphase centromere complex protein 22),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 complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres. Part of a nucleosome-associated complex that binds specifically to histone H3-containing nucleosomes at the centromere, as opposed to nucleosomes containing CENPA. Component of the heterotetrameric CENP-T-W-S-X complex that binds and supercoils DNA, and plays an important role in kinetochore assembly. CENPT has a fundamental role in kinetochore assembly and function. It is one of the inner kinetochore proteins, with most further proteins binding downstream. Required for normal chromosome organization and normal progress

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## Target Details

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through mitosis. {ECO:0000269|PubMed:16716197, ECO:0000269|PubMed:21529714, ECO:0000269|PubMed:21695110}.

Molecular Weight: 60.4 kDa

UniProt: [Q96BT3](#)

## 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.

Restrictions: For Research Use only

## Handling

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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