

Datasheet for ABIN7564211  
**CEP120 Protein (AA 1-988) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CEP120
Protein Characteristics:	AA 1-988
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEP120 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Cep120 Protein expressed in mammalian cells.
Sequence:	MVPKSDQLLI VVSILEGRHF PKRPHKLLLV EAKFDGEQLA TDPVDHTDQP EFATELAWEI DRKVLHQHRL QRTPIKLQCF ALDPQTSAKE TVGYIVLDR TAQETKQAPK WYQLLSNKYT KFKAEVQISL TLETDTKAQV DSYKAKAAP RDGKVLASLA GVDPKDIVAV LNEEGGYHQI GPAEHCTDPF ILSVTIAFAT QLEQLIPCTM KLPERQPEFF FYSSLGNDV TNEPFSDLIN PNFEPERASV RIRSSVEILR VYLALHSLKQ IHLCCGDQSL GSTEIPLNGL LKKGSTAINQ HPVTVEGAFT LDPPNRAKQK LAPVPLDLAP TVGVSVALQR EGIDSQSLE LKTQNGHEAE HSQKRVLTPI KEKTLTGPKS PRESPAPPPP PNQTPPTKDD ATESEVESLQ YKDKPKPTVK GIGSVPASLA QPEATCGASE VVTSGQKIAV PAASHHFCFS VDLRSVHDL ELSFPVNCILR YSYPFFGSAA PIMTNPPVEV RKNMEVFLPQ SYCAFD FATM PHQLQDTFLR IPLLVELWHK DKMSKDLLLG VARIQLSNIL SSEKTRFLGA NGEQCWRQTY SESVPVIAAQ GSNRILDLS YTM TLEDYGL VKMREIFVSE SSQGVPAVDQ KPSSPPAPC PSEIQMEPRE TLEYKAALEL EMWKEMQEDI FESQLKQKEL AHMQALAEW KKRDRERESL VKKKVAEYSI LEGKLQKALT

## Product Details

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ELETREQLLA SAEAELQRER KELQLERERN LQELQDSVRR ARDDCVYQVE LERLKLKQLE  
EDKQRLQQQL NDAGNKYKTL EKEFQQFKDQ QNNKPEIRLQ SEINLLTLEK VELERKLESA  
TKSKLHYKQQ WGRALKELAR LKQREQESQM ARLKKQQEEL EQMRLRYLAA EEKETVRTEQ  
QELDIRNEL NRLRQQEQNQ YQDCKEIASG KLGSPRGSGL EEGLDDYLTR LIEERDTLMR  
TGVYNHEDRI ISELDRQIRE VLTKNSAS **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

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**Target:** CEP120

**Alternative Name:** Cep120 ([CEP120 Products](#))

**Background:** Centrosomal protein of 120 kDa (Cep120) (Coiled-coil domain-containing protein 100),FUNCTION: Plays a role in the microtubule-dependent coupling of the nucleus and the centrosome. Involved in the processes that regulate centrosome-mediated interkinetic nuclear migration (INM) of neural progenitors and for proper positioning of neurons during brain

## Target Details

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development. Also implicated in the migration and selfrenewal of neural progenitors. Required for centriole duplication and maturation during mitosis and subsequent ciliogenesis. 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 (By similarity).

{ECO:0000250|UniProtKB:Q8N960, ECO:0000269|PubMed:17920017, ECO:0000269|PubMed:20360068, ECO:0000269|PubMed:25251415}.

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Molecular Weight: 112.6 kDa

UniProt: [Q7TSG1](#)

## 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