

Datasheet for ABIN7553239  
**CEP85 Protein (AA 1-762) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CEP85
Protein Characteristics:	AA 1-762
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEP85 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CEP85 Protein expressed in mammalian cells.
Sequence:	MAMQEKYPTG GISHVTSPSS DVIQKGSSLG TEWQTPVISE PFRSRFSRCS SVADSGDTAI GTSCSDIAED FCSSSGSPPF QPIKSHVTIP TAHVMPSTLG TSPAKPNSTP VGPSSSKLPL SGLAESVGMT RINGDLGAMKH SPGLSRDLMY FSGATGENGI EQSWFPAVGH ERQEEARKFD IPSMESTLNQ SAMMETLYSD PHHRVRFHNP RTSTSKELYSR VLPEAKKAPG SGAVFERNGP HSNSSGVLPL GLQPAPGLSK PLPSQVWQPS PDTWHPREQS CELSTCRQQL ELIRLQMEQM QLQNGAICHH PAAFGPSLPI LEPAQWISL NSNEHLLKEK ELLIDKQRKH ISQLEQKVRE SELQVHSALL GRPAPFGDVC LLRLQELQRE NTFLRAQFAQ KTEALSREKI DLEKKLSASE VEVQLIRESL KVALQKHSEE VKKQEERVKG RDKHINNLLK KCQKESQNR EKQQRIETLE RYLADLPTLE DHQKQSQQLK DSELKSTELQ EKVTELESLL EETQAICREK EIQLLESLRQR EAEFSSAGHS LQDKQSVEET SGEGPEVEME SWQKRYDSLQ KIVEKQQQKM DQLRSQVQSL EQEVAQEEGT SQALREEAQR RDSALQQLRT AVKELSVQNN DLIEKNLTLQ EHLRQAQPGS PPSPDTAQLA LELHQELASC LQDLQAVCSI VTQRAQGHDP NLSLLLGIHS AQHPETQLDL

## Product Details

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QKPDVIKRKL EEVQQLRRDI EDLRTTMSDR YAQDMGENCV TQ **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:** CEP85

**Alternative Name:** CEP85 ([CEP85 Products](#))

**Background:** Centrosomal protein of 85 kDa (Cep85) (Coiled-coil domain-containing protein 21),FUNCTION: Acts as a regulator of centriole duplication through a direct interaction with STIL, a key factor involved in the early steps of centriole formation. The CEP85-STIL protein complex acts as a modulator of PLK4-driven cytoskeletal rearrangements and directional cell motility (PubMed:29712910, PubMed:32107292). Acts as a negative regulator of NEK2 to maintain the centrosome integrity in interphase. Suppresses centrosome disjunction by inhibiting NEK2 kinase activity (PubMed:26220856). {ECO:0000269|PubMed:26220856,

## Target Details

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ECO:0000269|PubMed:29712910, ECO:0000269|PubMed:32107292}.

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Molecular Weight: 85.6 kDa

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UniProt: [Q6P2H3](#)

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## 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

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## 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

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