

Datasheet for ABIN7563740  
**CEP63 Protein (AA 1-700) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CEP63
Protein Characteristics:	AA 1-700
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEP63 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Cep63 Protein expressed in mammalian cells.
Sequence:	MEALLEGIQN RGHSGGFLTS CEALQELMK QIDIMVAHKK SEWEGQTHAL ETCLDIRDRE LKALRSQ LDM KHKEVGILHQ QIEEHEKTKQ EMAMEYKEEL LKLQEELSRL KRSYEKLQKK QLREFRGNTK SFREDRSEIE RLTGKIEEFR QKSLDWEKQR LIYQQQVSSL EAQRKALAEQ SEIIQAQLAN RKQKLESVEL SSQSEIQHLN SKLERAKDTI CANELEIERL NIRVNDLMGT NMTILQDHRQ KEEKLRESEK LLEALQEEQK ELKASLQSQE TFILEAKMQE KLQTTLKAVG TQQSVERPLE DCQKERKYSS PGQGVLNVL SQLDFSHSSE ELLQAEVTRL EGSLESVSAT CKQLSQELME KYEELKRMEG HNNEYRTEIK KLKEQILQAD QTYSSALEGM KMEISQLTRE LHQRDITIAS AKCSSDMEK QLKAEMQKAE EKA VEHKEIL SQLESKLKEN HRLSETVMKL ELGLHEAKEI SLADLQENYI EALNKLVDSEN QQLQKDL MST KSELEHATNM CKKKDGEIFN PAHSRAAGFK NAELKPIHGQ HRHDGIKTEQ YKTGHHSRPG QTLDSIDPVA RGPSPSSHI SPGSSTVSLP SNFLFEAHSL PSVLDINDVN FSDSLSDCMN DQEEFVSSGS LPTSPLGSIA TRFLEEEELR SHHILERLDA HIEELKRESE KTVRQFTALV <b>Sequence without tag. The proposed</b>

## Product Details

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**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: CEP63

Alternative Name: Cep63 ([CEP63 Products](#))

Background: Centrosomal protein of 63 kDa (Cep63),FUNCTION: Required for normal spindle assembly (PubMed:24240477). Plays a key role in mother-centriole-dependent centriole duplication, the function seems also to involve CEP152, CDK5RAP2 and WDR62 through a stepwise assembled complex at the centrosome that recruits CDK2 required for centriole duplication (By similarity). Reported to be required for centrosomal recruitment of CEP152, however, this function has been questioned (By similarity). Also recruits CDK1 to centrosomes (By similarity). Plays a role in DNA damage response (By similarity). Following DNA damage, such as double-strand breaks (DSBs), is removed from centrosomes, this leads to the inactivation of spindle assembly and

## Target Details

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delay in mitotic progression (By similarity). Promotes stabilization of FXR1 protein by inhibiting FXR1 ubiquitination (By similarity). {ECO:0000250|UniProtKB:Q96MT8, ECO:0000269|PubMed:24240477}.

Molecular Weight: 80.4 kDa

UniProt: [Q3UPP8](#)

Pathways: [M Phase](#)

## 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