

Datasheet for ABIN7553417
CEP63 Protein (AA 1-703) (His tag)



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Overview

Quantity:	1 mg
Target:	CEP63
Protein Characteristics:	AA 1-703
Origin:	Human
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 RGHGGGFLTS CEAEIQELMK QIDIMVAHKK SEWEGRTHAL ETCLKIREQE LKSLRSQLDV THKEVGMLHQ QVEEHEKIKQ EMTMEYKQEL KKLHEELCIL KRSYEKLQKK QMREFRGNTK NHREDRSEIE RLTAKIEEFR QKSLDWEKQR LIYQQQVSSL EAQRKALAEQ SEIIQAQLVN RKQKLESVEL SSQSEIQHLS SKLERANDTI CANELEIERL TMRVNDLVGT SMTVLQEQQQ KEEKLRESEK LLEALQEEKR ELKAALQSQE NLIHEARIQK EKLQEKVKAT NTQHAVEAIR PREESLAEKK YTSQGQGDLD SVLSQLNFTH TSEDLLQAEV TCLEGSLESV SATCKQLSQE LMEKYEELKR MEAHNNEYKA EIKKLKEQIL QGEQSYSSAL EGMKMEISHL TQELHQRDIT IASTKGSSSD MEKRLRAEMQ KAEDKAVEHK EILDQLESK LENRHLSEMV MKLELGLHEA KEISLADLQE NYIEALNKL V SENQQLQKDL MNTKSQLEIS TQMCKKQNDR IFKPTHSRRT EFKNTEFKPT HGQHRHDGIK TEHYKTDLHS PRGQASDSIN PMSRVLSP PQISPCSSTR SLTSYSLCKT HSLPSALDTN EANFSDTMSE SMNDQEEFIS SCSLPVSPLG SIATRFLEEE ELRSHHILER LDAHIEELKR ESEKTVRQFT ALK 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

Target: CEP63

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

Background: Centrosomal protein of 63 kDa (Cep63),FUNCTION: Required for normal spindle assembly (PubMed:21406398, PubMed:21983783, PubMed:26297806, PubMed:35793002). 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 (PubMed:21983783, PubMed:26297806). Reported to be required for centrosomal recruitment of CEP152, however, this function has been questioned (PubMed:21983783, PubMed:26297806). Also recruits CDK1 to centrosomes (PubMed:21406398). Plays a role in DNA damage response (PubMed:21406398). Following

Target Details

DNA damage, such as double-strand breaks (DSBs), is removed from centrosomes, this leads to the inactivation of spindle assembly and delay in mitotic progression (PubMed:21406398). Promotes stabilization of FXR1 protein by inhibiting FXR1 ubiquitination (PubMed:35989368). {ECO:0000269|PubMed:21406398, ECO:0000269|PubMed:21983783, ECO:0000269|PubMed:26297806, ECO:0000269|PubMed:35793002, ECO:0000269|PubMed:35989368}.

Molecular Weight: 81.3 kDa

UniProt: [Q96MT8](#)

Pathways: [M Phase](#)

Application Details

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

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