

Datasheet for ABIN7553545

CP110 Protein (AA 1-1012) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CP110 (CCP110)
Protein Characteristics:	AA 1-1012
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CP110 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CCP110 Protein expressed in mammalian cells.
Sequence:	<p>MEEYEKFCCK SLARIQEASL STESFLPAQS ESISLIRFHG VAILSPLLNI EKRKEMQCEK</p> <p>QKALDVEARK QVNRKKALLT RVQEILDNVQ VRKAPNASDF DQWEMETVYS NSEVRNLNVP</p> <p>ATFPNSFSPH TEHSTAAKLD KIAGILPLDN EDQCKTDGID LARDSEGFNS PKQCDSSNIS</p> <p>HVENEAFPKT SSATPQETLI SDGPFSVNEQ QDLPLLAELV PDPYVMSLQN LMKKSKEYIE</p> <p>REQSRRSLRG SINRIVNESH LDKEHDAVEV ADCVKEKGQL TGKHCVSVIP DKPSLNKSNV</p> <p>LLQGASTQAS SMSMPVLASF SKVDIPIRTG HPTVLESNSD FKVIPTFVTE NNVIKSLTGS</p> <p>YAKLPSPEPS MSPKMHRRRS RTSSACHILI NNPINACELS PKGKEQAMD LIIQD TDENTN</p> <p>VPEIMPKLPT DLAGVCSSKV YVGKNTSEVK EDVVLGKSNQ VCQSSGNHLE NKVTHGLVTV</p> <p>EGQLTSDERG AHIMNSTCAA MPKLHEPYAS SQCIASPNFG TVSGLKPASM LEKNCSLQTE</p> <p>LNKSYDVKNP SPLLMQNQNT RQQMDTPMVS CGNEQFLDNS FEKVRRRLDL DIDGLQKENC</p> <p>PYVITSGITE QERQHLPEKR YPKGSGFVNK NKMLGTSSKE SEELLKSKML AFEEMRKRLE</p> <p>EQHAQQLSLL IAEQEREQER LQKEIEEQEK MLKEKKAMTA EASELDINNA VELEWRKISD</p>

SSLLETMLSQ ADSLHTSNSN SSGFTNSAMQ YSFVSANEAP FYLWGSSTSG LTKLSVTRPF
GRAKTRWSQV FSLEIQAKFN KITAVAKGFL TRRLMQTDKL KQLRQTVKDT MEFIRSFQSE
APLKRIVSA QDASLQERVL AQLRAALYGI HDIFFVMDAA ERMSILHHDR EVRKEKMLRQ
MDKMKSPRVA LSAATQKSLD RKKYMKAAEM GMPNKKFLVK QNPSETRVLQ PNQGQNAPVH
RLLSRQGTPK TSVKGVVQNR QKPSQSRVFN RVPVSGVYAG KIQRKRPNVA TI **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CP110 (CCP110)
Alternative Name:	CCP110 (CCP110 Products)
Background:	Centriolar coiled-coil protein of 110 kDa (Centrosomal protein of 110 kDa) (CP110) (Cep110),FUNCTION: Necessary for centrosome duplication at different stages of procentriole formation. Acts as a key negative regulator of ciliogenesis in collaboration with CEP97 by

Target Details

capping the mother centriole thereby preventing cilia formation (PubMed:17719545, PubMed:17681131, PubMed:23486064, PubMed:30375385, PubMed:35301795). Also involved in promoting ciliogenesis. May play a role in the assembly of the mother centriole subdistal appendages (SDA) thereby effecting the fusion of recycling endosomes to basal bodies during cilia formation (By similarity). Required for correct spindle formation and has a role in regulating cytokinesis and genome stability via cooperation with CALM1 and CETN2 (PubMed:16760425). {ECO:0000250|UniProtKB:Q7TSH4, ECO:0000269|PubMed:12361598, ECO:0000269|PubMed:16760425, ECO:0000269|PubMed:17681131, ECO:0000269|PubMed:17719545, ECO:0000269|PubMed:23486064, ECO:0000269|PubMed:30375385, ECO:0000269|PubMed:35301795}.

Molecular Weight: 113.4 kDa

UniProt: [O43303](#)

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