

# Product information



## TBCC, 1-346aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1673

**Full name:** Tubulin-specific chaperone C

**NCBI Accession No.:** NP\_003183

**Synonyms:** CFC

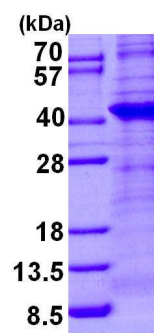
**Description:** TBCC (tubulin folding cofactor C) belongs to the TBCC family. It plays a role in the regulation of centrosome and Golgi apparatus positioning, with consequences on cell shape and cell migration. Cofactor C is one of four proteins (cofactors A, D, E and C) involved in the pathway leading to correctly folded b-tubulin from folding intermediates. Cofactors A and D are believed to play a role in capturing and stabilizing b-tubulin intermediates in a quasi-native confirmation. Cofactor E binds to the cofactor D/b-tubulin complex; interaction with cofactor C then causes the release of b-tubulin polypeptides. Recombinant human TBCC protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

**Molecular Weight:** 41.7 kDa (369aa), confirmed by MALDI-TOF

**Purity:** > 85% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMEVSCS AAVRTGDME SQRDLSLVPE RLQRREQERQ LEVERRKQKR QNQEVEKENS HFFVATFARE  
RAAVEELLER AESVERLEEA ASRLQGLQKL INDSVFFLAA YDLRQGQAL ARLQAALAEER RRLGPKKRF AFKTRGKDAE SSTKVDAAPG  
IPPAVESIQD SPLPKKAEGD LGPSWVCGFS NLESQVLEKR ASELHQRDVL LTELNCTVLR LYGNPNTLRL TKAHSCKLLC GPVSTSVFLE  
DCSDCVLAVA CQQLRIHSTK DTRIFLQVTS RAIVEDCSGI QFAPYTWSYP EIDKDFESSG LDRSKNNWVD VDDFNWLARD MASPNSWILP  
EEERNIQWD

### General references:

Goncalves J., *et al.* (2010) *EMBO Rep.* 11:194-200

Lewis SA, *et al.* (1996). *J. Cell Biol.* 132 (1-2): 1-4.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

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