

# Product information



## TBCA , 1-108aa

Cat. No. IBATGP0333

Human, Recombinant, *E.coli*

**Full name:** Tubulin folding cofactor A

**NCBI Accession No.:** NP\_004598

**Synonyms:** chaperonin cofactor a, tubulin specific chaperone a

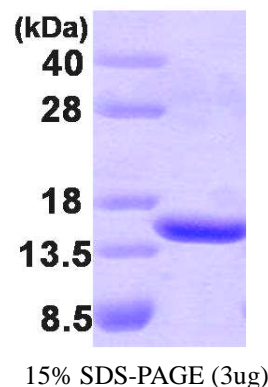
**Description:** Tubulin folding cofactor A, also known as TBCA, is one of four proteins (cofactors A, D, E, and C) involved in the pathway leading to correctly folded beta-tubulin from folding intermediates. Cofactors A and D are believed to play a role in capturing and stabilizing beta-tubulin in a quasi-native confirmation. This protein is essential for cell viability and its knockdown produces a decrease in the amount of soluble tubulin, modifications in microtubules and G1 cell cycle arrest. Recombinant human TBCA protein was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20 mM Tris-HCl buffer pH 7.5 containing 1 mM DTT, 10% glycerol

**Molecular Weight:** 12.8 kDa (108aa)

**Purity:** > 95% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)



### Sequences of amino acids:

MADPRVRQIK IKTGVVKRLV KEKVMYEKEA KQEEKIEKM RAEDGENYDI KKQAEILQES RMMIPDCQRR LEAYLDLQR ILENEKDLEE  
AEEYKEARLV LDSVKLEA

### General references:

Nolasco S., *et al.* (2005). *FEBS Lett.* **579**(17):3515-24

Tian G., *et al.* (1996). *Cell.* **86**(2):287-96

**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.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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Avoid repeated freezing and thawing cycles.

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