

TBCA, 1-108aa, Human, Recombinant, E.coli

Cat.NO.: TP04156

3th Edition

Synonyms:Tubulin folding cofactor A, chaperonin cofactor a, tubulin specific chaperone a, TBCA, Tubulin folding cofactor A CFA, Co chaperonin associated with a & b tubulin, Cofactor A, TCP1 chaperonin cofactor A, Tubulin cofactor 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), confirmed by MALDI-TOF.

Sequences:

MADPRVRQIKIKTGVVKRLVKEKVMYEKEAKQEEKIEKMRAEDGENYDIKKQAEILQESRMMIPDCQRRLEAAYLD
LQRILENEKDLEEAEYKEARLVLDVSKLEA

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.