

AR09214PU-L

Human TBCA (1-108) - Purified

Alternate names:	TCP1-chaperonin cofactor A, Tubulin-folding cofactor A, Tubulin-specific chaperone A
Quantity:	0.5 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	075347
NCBI:	NP_004598
GeneID:	6902
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer pH 7.5 containing 1 mM DTT, 10% glycerol
Description:	Recombinant human TBCA protein was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MADPRVRQIK IKTGVVKRLV KEKVMYEKEA KQEEKIEKM RAEDGENYDI KKQAEILQES RMMIPDCQRR LEAAYLDLQR ILENEKDLEE AEEYKEARLV LDSVKLEA Molecular weight: 12.8 kDa (108 aa)
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Nolasco S., et al. (2005). FEBS Lett. 579(17):3515-24.

Pictures:

Recombinant human TBCA, 1-108 aa: 15%
SDS-PAGE (3 µg)

