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TBCC, 1-346aa, Human, His tag, E.coli

产品货号: TP04158

第三版

别名:Tubulin-specific chaperone C, CFC, tubulin folding cofactor C

描述: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 β -tubulin from folding intermediates. Cofactors A and D are believed to play a role in capturing and stabilizing β -tubulin intermediates in a quasi-native confirmation. Cofactor E binds to the cofactor D/ β -tubulin complex; interaction with cofactor C then causes the release of β -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.

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

分子量:41.7 kDa (369aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMESVSCSAAA VRTGDMESQRDLSLVPERLQRREQERQLEVERRKQKRQNPQVEKE
NSHFFVATFARERAAVEELLERAESVERLEEAASRLQGLQKLINDSVFFLAAYDLRQQQEALARLQAALAERRRGLQPKKRF
AFKTRGKDAASSTKVDAAPGIPPAVESIQDSPLPKAEGDLGPSWVCGFSNLESQVLEKRASELHQRDVLLTELSNCTVRLY
GNPNTLRLTKAHACKLLCGPVSTSVFLEDCSDCVLAVACQQLRIHSTKDTRIFLQVTSRAIVEDCSGIQFAPYTWSYPEIDK
DFESSGLDRSKNNWWDVDDFNWLARDMASPNWSILPEEERNIQWD

纯度:> 95% by HPLC

浓度:0.5 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 μ g of protein (determined by LAL method)

存储: +4 °C 保存 (1-2 周). 长期保存在 -20 °C 或者 -70 °C. 避免反复冻融.