

## 32-5041: Recombinant Human Tubulin Folding Cofactor C

**Alternative Name :** Tubulin folding cofactor C, tubulin-specific chaperone c, Tubulin-folding cofactor C, CFC.

### Description

Source : E.coli. TBCC Human Recombinant produced in E. coli is a single polypeptide chain containing 369 amino acids (1-346) and having a molecular mass of 41.7 kDa. TBCC is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Tubulin folding cofactor C (TBCC) is a member of the TBCC family. TBCC has a role in the control of centrosome and Golgi apparatus positioning, with effects on cell shape and cell migration. Cofactor C is 1 of 4 proteins (cofactors A, D, E and C) engaged in the pathway leading to properly folded  $\beta$ -tubulin from folding intermediates. Cofactor E attaches to the cofactor D/ $\beta$ -tubulin complex; their interaction with cofactor C subsequently causes the release of  $\beta$ -tubulin polypeptides which are bound to the native state.

### Product Info

<b>Amount :</b>	10 $\mu$ g
<b>Purification :</b>	Greater than 85% as determined by SDS-PAGE.
<b>Content :</b>	The TBCC solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHH SSGLVPRGSH MGSMEVSCS AAVRTGDME SQRDLSLVPE RLQRREQERQ LEVERRKQKR QNQEVEKENS HFFVATFARE RAAVEELLER AESVERLEEASRLQGLQKL INDSVFFLAA YDLRQGQEAL ARLQAALAER RRLQPKKRF AFKTRGKDAA SSTKVDAAPG IPPAVESI QD SPLPKKAEGD LGPSWVCGFS NLESQVLEKR ASELHQRDVL LTEL SNCTVR LYGNPNTLRL TKAHSCKLLC GPVSTSVFLE DCSDCVLAVA CQQLRIHSTK DTRIFLQVTS RAIVEDCSGI QFAPYTSWYP EIDKDFESSG LDRSKNNWND VDDFNWLARD MASP NWSILP EEERNIQWD

