
Product Data Sheet

Product Name: TBCC Human
 Cat. No.: GP24787
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tubulin folding cofactor C; tubulin-specific chaperone c; Tubulin-folding cofactor C; CFC.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEVSCS AAVRTGDME SQRDLSLVPE RLQRREQERQ LEVERRKQKR QNQEVEKENS HFFVATFARE RAAVEELLER AESVERLEEASRLQGLQKL INDSVFFLAA YDLRQGQEQAL ARLQAALAER RRGLQPKKRF AFKTRGKDAA SSTKVDAAPG IPPAVESIQR SPLPKKAEGD LGPSWVCGFS NLESQVLEKR ASELHQRDVL LTELNCTVR LYGNPNTLRL TKAHSCKLLC GPVSTSVFLE DCSDCVLAVA CQQLRIHSTK DTRIFLQVTS RAIVEDCSGI QFAPYTWSYP EIDKDFESSG LDRSKNNWWD VDDFNWLARD MASPNEWSILP EEERNIQWD		
Formulation	The TBCC solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol.		

Introduction

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 β -tubulin from folding intermediates. Cofactor E attaches to the cofactor D/ β -tubulin complex; their interaction with cofactor C subsequently causes the release of β -tubulin polypeptides which are bound to the native state.

Stability

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%

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA