

Recombinant Human TBCC

Cat. No. TBCC-29834TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human TBCC with N terminal proprietary tag, 64.17 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	346 amino acids
Description	Cofactor C 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 intermediates in a quasi-native confirmation. Cofactor E binds to the cofactor D/beta-tubulin complex; interaction with cofactor C then causes the release of beta-tubulin polypeptides that are committed to the native state.
Molecular Weight	64.170kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MESVSCSAAAVRTGDMESQRDLSPERLQRREQERQLEV ERRKQKRQNQEVEK
 ENSHFFVATFARERAAVEELLERAES VERLEEAASRLQGLQKLINDSVFFLAAYDLR
 QGQEALARL QAALAERRRGLQPKKRFAFKTRGKDAASSTKVDAAPGIPP AVESIQD
 SPLPKKAEGDLGPSWVCGFSNLESQVLEKRASE LHQRDVLLTELSNCTVRLYGNP
 NTLRLTKAHSCKLLCGPV STSVFLEDSCDCVLAVACQQLRIHSTKDTRIFLQVTSRAI
 VEDCSGIQFAPYTWSYPEIDKDFESSGLDRSKNNWNDVDD FNWLARDMASPNWSI
 LPEEERNIQWD

GENE INFORMATION

Gene Name	TBCC tubulin folding cofactor C [Homo sapiens]
Official Symbol	TBCC
Synonyms	TBCC; tubulin folding cofactor C; tubulin specific chaperone c; tubulin-specific chaperone C; CFC;
Gene ID	6903
mRNA Refseq	NM_003192
Protein Refseq	NP_003183
MIM	602971
Uniprot ID	Q15814
Chromosome Location	6p21.1
Pathway	Metabolism of proteins, organism-specific biosystem; Post-chaperonin tubulin folding

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pathway, organism-specific biosystem; Protein folding, organism-specific biosystem;

Function

GTPase activity; binding; chaperone binding;

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