

# Recombinant Human TBCE Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** TBCE-2852H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | TBCE MS Standard C13 and N15-labeled recombinant protein (NP_001072983) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Cofactor E 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. Two transcript variants encoding the same protein have been found for this gene. |
| <b>Molecular Mass</b>   | 59.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MSDTLTADVIGRRVEVNGEHATVRFAGVPPVAGPWLGVWDNPERGKHDGSHE<br>GTVYFKCRHPTGGSFIRPNKVNFGTDFLTAIKNRYVLEDGPEEDRKEQIVTIGNKPVE<br>TIGFDSIMKQSQSLSKLQEVSLRNCAVSCAGEKGGVAEACPNIRKVDLSKNLLSSWD<br>EVIHIADQLRHLEVLNVSENKLKFPSSVLTGTLSVLKVLVLNQTGITWAEVLRVAG<br>CPGLEELYLESNNIFISERPTDVLQTVKLLDLSSNQLIDENQLYLIAHLPRLEQLILSDT<br>GISSLHFPDAGIGCKTSMFPSLKYLVVNDNQISQWSFFNELEKLPSLRALSCLRNPLT                                                                                                                                                                                           |

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KEDKEAETARLLIIASIGQLKTLNKCEILPEERRRAELDYRKAFGNEWKQAGGHKDPE  
KNRLSEEFLLTAHPRYQFLCLKYGAPEDWELKTQQPLMLKNQLLTLKIKYPHQLDQKV  
LEKQLPGSMTIQKVKGLLSRLLKVPVSDLLLSYESPKKPGREIELENDLKSLLQFYSVE  
NGDCLLVWRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** TBCE tubulin folding cofactor E [ Homo sapiens (human) ]

**Official Symbol** TBCE

**Synonyms** TBCE; tubulin folding cofactor E; KCS, Kenny Caffey syndrome, tubulin specific chaperone e; tubulin-specific chaperone E; HRD; KCS1; pac2; Kenny-Caffey syndrome; tubulin-folding cofactor E; KCS;

**Gene ID** 6905

**mRNA Refseq** NM\_001079515

**Protein Refseq** NP\_001072983

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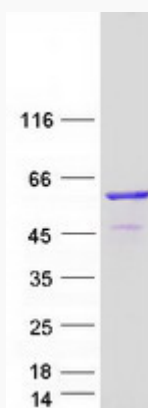
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MIM 604934

UniProt ID Q15813

SDS-PAGE



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