

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

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

SPECIFICATION

Product Overview

TBCE MS Standard C13 and N15-labeled recombinant protein (NP_001072983) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

59.3 kDa

AA Sequence

MSDTLTADVIGRRVEVNGEHATVRFAGVPPVAGPWLGVWDNPERGKHDGSHE
 GTVYFKCRHPTGGSFIRPNKVNFGTDFLTAIKNRYVLEDGPEEDRKEQIVTIGNKPVE
 TIGFDSIMKQQSQLSKLQEVSLRNCAVSCAGEKGGVAEACPNIRKVDLSKNLLSSWD
 EVIHADQLRHLEVLNVSENKLFPSGSVLTGTLSVLKVLVLNQTGITWAEVLRVAG
 CPGLEELYLESNNIFISERPTDVLQTVKLLDLSSNQLIDENQLYLIAHLPRLEQLILSDT
 GISSLHFPDAGIGCKTSMFPSLKYLVVNDNQISQWSFFNELEKLPRLALSCLRNPLT

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KEDKEAETARLLIIASIGQLKTLNKCEILPEERRRAELDYRKAFGNEWKQAGGHKDPE
 KNRLSEEFLLTAHPRYQFLCLKYGAPEDWELKTQQPLMLKNQLLTLKIKYPHQLDQKV
 LEKQLPGSMTIQVKVGLLSRLLKVPVSDLLLSYESPKKPGREIELENDLKSLQFYSVE
 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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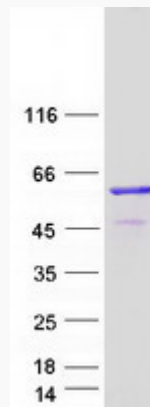
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MIM 604934

UniProt ID Q15813

SDS-PAGE



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