

# Recombinant Human TBCD cell lysate

**Cat. No.** TBCD-1744HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>    | Cofactor D 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. |
| <b>Size</b>           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## GENE INFORMATION

|                        |                                                                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TBCD tubulin folding cofactor D [ Homo sapiens ]                                                                                                                |
| <b>Official Symbol</b> | TBCD                                                                                                                                                            |
| <b>Synonyms</b>        | TBCD; tubulin folding cofactor D; tubulin specific chaperone d; tubulin-specific chaperone D; tfcD; SSD-1; beta-tubulin cofactor D; tubulin-folding cofactor D; |

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|                            |                                                                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | KIAA0988;                                                                                                                                                                |
| <b>Gene ID</b>             | 6904                                                                                                                                                                     |
| <b>mRNA Refseq</b>         | NM_005993                                                                                                                                                                |
| <b>Protein Refseq</b>      | NP_005984                                                                                                                                                                |
| <b>MIM</b>                 | 604649                                                                                                                                                                   |
| <b>UniProt ID</b>          | Q9BTW9                                                                                                                                                                   |
| <b>Chromosome Location</b> | 17q25.3                                                                                                                                                                  |
| <b>Pathway</b>             | Metabolism of proteins, organism-specific biosystem; Post-chaperonin tubulin folding pathway, organism-specific biosystem; Protein folding, organism-specific biosystem; |
| <b>Function</b>            | GTPase activator activity; GTPase activator activity; beta-tubulin binding; chaperone binding; protein binding;                                                          |

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