

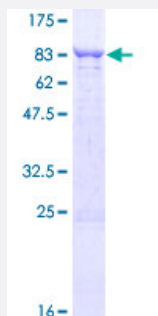
## Full-Length

# TBCD (Human) Recombinant Protein (P01)

Catalog # H00006904-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human TBCD full-length ORF ( AAH39654.1, 1 a.a. - 623 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MKISHWDGVIRELAARALHNLAQQAPEFSATQVFPRLLSMTLSPDLHTRHGSILACAEVAYALYKL  
AAQENRPVTDHLDEQAVQGLKQIHQQLYDRQLYRGLGGQLMRQAVCVLIEKLSLSKMPFRGDTV  
DGWQWLINDTLRHLHLISSHSRQQMKDAAVSALAALCSEYMKEPGEADPAIQEELITQYLAELRN  
PEEMTRCGFSLALGALPGFLLKGRLQQVLTGLRAVTHTSPEDVSFAESRRDGLKAIRICQTVGV  
KAGAPDEAVCGENVSQYCALLGCMDDYTTDSRGDVGTVWRKAAMTSLMDLTLLLARSQPELIE  
AHTCERIMCCVAQQASEKIDRFRAHAASVFLTLLHFDSPPIPHVPHRGELEKLFPRSDVASVNWS  
APSQAFPRITQLLGLPTYRYHVLGLVVSLLGGLTESTIRHSTQSLFEYMKGIQSDPQALGSFSGTLL  
QIFEDNLLNERVSVPLLKTLTDHVLTHGCFDITTEEDHPFAVKLLALCKKEIKNSKDIQKLLSGIAVF  
CGMVQFPGDVRRQALLQLCLLLCHRFPLIRKTTASQVYETLLTYSVDVVGADVLDEVVTVLSDTAW  
DAELAVVREQRNRLCDLLGVPRPQLVPQPGAC

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

95.6

### Interspecies Antigen Sequence

Mouse (79); Rat (79)

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Quality Control Testing | 12.5% SDS-PAGE Stained with Coomassie Blue.                              |
| Storage Buffer          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.          |
| Note                    | Best use within three months from the date of receipt of this protein.   |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — TBCD

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">6904</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| GeneBank Accession# | <a href="#">BC039654.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Protein Accession#  | <a href="#">AAH39654.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Name           | TBCD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Alias          | KIAA0988                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Description    | tubulin folding cofactor D                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Omim ID             | <a href="#">604649</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Summary        | 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. [provided by RefSeq] |
| Other Designations  | beta-tubulin cofactor D tubulin-specific chaperone d                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Disease

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- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Diseases](#)
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- [Subarachnoid Hemorrhage](#)