

Recombinant Human Tubulin Folding Cofactor B, His-tagged

Cat. No. TBCB-6833H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TBCB protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-244aa
Description	TBCB belongs to the Microtubules family. Biosynthesis of functional microtubules involve the participation of several chaperones, termed Tubulin folding cofactors A (TBCA), B (TBCB), D (TBCD), E (TBCE) and C (TBCC), that act on folding intermediates downstream of the cytosolic chaperon, alternatively named TCP. TBCB is a 244 amino acid cytoplasmic protein containing one CAP-Gly domain and is widely expressed.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol.
Molecular Mass	29.9 kDa (268aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMEVTGV SAPTVTVFIS SSLNTRSEK RYSRSLTIAE FKCKLELLVG SPASCMELEL YGVDDKFYSK LDQEDALLGS YPVDDGCRIH VIDHSGARLG EYEDVSRVEK YTISQEAYDQ RQDTVRSFLK RSKLGRYNEE ERAQQEAEAA QRLAEEKAQA SSIPVGSRCV VRAAGQSPRR

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GTVMYVGLTD FKPGYWIGVR YDEPLGKNDG SVNGKRYFEC QAKYGAFVKP
AVVTVGDFPE EDYGLDEI

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [TBCB tubulin folding cofactor B \[Homo sapiens \]](#)

Official Symbol TBCB

Synonyms

TBCB; tubulin folding cofactor B; CKAP1, cytoskeleton associated protein 1 , cytoskeleton associated protein 1; tubulin-folding cofactor B; CG22; CKAPI; tubulin-specific chaperone B; cytoskeleton associated protein 1; cytoskeleton-associated protein 1; cytoskeleton-associated protein CKAPI; CKAP1; MGC14625;

Gene ID [1155](#)

mRNA Refseq [NM_001281](#)

Protein Refseq [NP_001272](#)

MIM [601303](#)

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UniProt ID	Q99426
Chromosome Location	19q13.11-q13.12
Pathway	Metabolism of proteins, organism-specific biosystem; Post-chaperonin tubulin folding pathway, organism-specific biosystem; Protein folding, organism-specific biosystem;
Function	protein binding;

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