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32-5039: Recombinant Human Tubulin Folding Cofactor B

Alternative Name : Tubulin folding cofactor B,Cytoskeleton-associated protein CKAPI,cytoskeleton associated protein 1,CKAP1,CG22,Tubulin-specific chaperone B.

Description

Source : E.coli. TBCB Human Recombinant produced in E. coli is a single polypeptide chain containing 268 amino acids (1-244) and having a molecular mass of 29.9 kDa.TBCB is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. TBCB is a member of the Microtubules family. Biosynthesis of functional microtubules include the involvement of a number of chaperones, termed Tubulin folding cofactors A (TBCA), B (TBCB), C (TBCC), D (TBCD) and E (TBCE), which operate on folding intermediates downstream of the cytosolic chaperon, known as TCP. The 244 amino acid cytoplasmic protein TBCB has one CAP-Gly domain and is universally expressed. TBCB takes part in the regulation of tubulin heterodimer dissociation and operates as a negative regulator of axonal growth.

Product Info

Amount :	25 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The TBCB solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM Nacl and 20% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMEVTGV SAPTVTVFIS SSLNTFRSEK RYSRSLTIAE FKCKLELLVG SPASCMELEL YGVDDKFYSK LDQEDALLGS YPVDDGCRIH VIDHSGARLG EYEDVSRVEK YTISQEAYDQ RQDTVRSFLK RSKLGRYNEE ERAQQEAEAA QRLAEEKAQA SSIPVGSRCE VRAAGQSPRR GTVMYVGLTD FKPGYWIGVR YDEPLGKNDG SVNGKRYFEC QAKYGAFVKP AVVTVGDFPE EDYGLDEI