9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TBCB Human

Tubulin Folding Cofactor B Human Recombinant
RCP2332

Product Overview

Name	TBCB Human
Description	
Tubulin Folding Cofactor B Human Recombinant	
Accession (Primary)	Q99426
Synonyms	
Tubulin folding cofactor B, Cytoskeleton-associated protein CKAPI, cytoskeleton associated protein 1, CKAP1, CG22, Tubulin-specific chaperone B.	
Introduction	
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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The TBCB solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM Nacl and 20% glycerol.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MEVTGV SAPTVTVFIS SSLNTFRSEK RYSRSLTIAE FKCKLELLVG SPASCMELEL YGVDDKFYSK LDQEDALLGS YPVDDGCRIH VIDHSGARLG EYEDVSRVEK YTISQEAYDQ RQDTVRSFLK RSKLGRYNEE ERAQQEAEAA QRLAEEKAQA SSIPVGSRCE VRAAGQSPRR GTVMYVGLTD	

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FKPGYWIGVR YDEPLGKNDG SVNGKRYFEC QAKYGAFVKP AVVTVGDFPE EDYGLDEI

Precautions

TBCB Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99426)