

32-5043: Recombinant Human Tubulin Folding Cofactor E-Like

Alternative Name : Tubulin Folding Cofactor E-Like,E-Like,LRRC351,Leucine Rich Repeat Containing Catastrophin,Tubulin-Specific Chaperone E-Like..

Description

Source : Escherichia Coli. TBCEL Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 447 amino acids and having a molecular mass of 50.6kDa. The TBCEL is purified by proprietary chromatographic techniques. TBCEL, is a factor that is in charge of the microtubule cytoskeleton in determining cell behavior. TBCEL plays a role as a regulator of tubulin stability. While widely expressed in testis, TBCEL is also present in several tissues at a much lower level. TBCEL comprises of seven LRR (leucine-rich) repeats, one LRRCT domain and one ubiquitin-like domain. The gene that translates TBCEL consists of 66,704 bases and maps to human chromosome 11q23.3. Chromosome 11 houses over 1,400 genes and consist of nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that map to chromosome 11.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The TBCEL solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) 0.15M NaCl, 20% glycerol and 1mM DTT.
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 MGSMDQPSGR SFMQVLCEKY SPENFPYRRG PGMGVHVPAT PQGSPMKDRL NLPSVLVLNS CGITCAGDEK EIAAFCAHVS ELDLSDNKLE DWHEVSKIVS NVPQLEFLNL SSNPLNLSVL ERTCAGSFSG VRKLVLNNSK ASWETVHMIL QELPDLEELF LCLNDYETVS CPSICCHSLK LLHITDNNLQ DWTEIRKLG V MFPSLDTLVL ANNHLNAIEE PDDSLARLFP NLRISLHKS GLQSWEDIDK LNSFPKLEEV RLLGIPLLQP YTTEERRKLV IARLPSVSKL NGSVVTGGER EDSERFFIRY YVDVPQEEVP FRYHELITKY GKLEPLAEVD LRPQSSAKVE VHFNDQVEEM SIRLDQTVAE LKKQLKTLVQ LPTSNNLLYY FDHEAPFGPE EMKYSSRALH SFGIRDGDKI YVESKTK.

