

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 MGSMDQP5GR SFMQLCEKY SPENFPYRRG PGMGVHVPAT PQGSPMKDRL NLPSVLVLNS CGITCAGDEK EIAAFCAHVS ELDLSDNKLE DWHEVSKIYS NVPQLEFLNL SSNPLNLSVL ERTCAGSFSG VRKLVLNNSK ASWETVHMIL QELPDLEELF LCLNDYETVS CPSICCHSLK LLHITDNNLQ DWTEIRKLGV MFPSLDTLVL ANNHLNAIEE PDDSLARLFP NLRISLHKS GLQSWEDIDK LNSFPKLEEV RLLGIPLLQP YTTEERRKLV IARLPSVSKL NGSVVDGER EDSERFFIRY YVDVPQEEVP FRYHELITKY GKLEPLAEVD LRPQSSAKVE VHFNDQVEEM SIRLDQTVAE LKKQLKTLVQ LPTSNMLLYY FDHEAPFGPE EMKYSSRALH SFGIRDGDKI YVESKTK.

