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

Alternative Name : Tubulin Folding Cofactor E-Like,E-Like,LRRC351,Leucine Rich Repeat Containing Catastrophin,TubulinSpecific 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 50.6 kDa . 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, NiemannPick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that map to chromosome 11.

## Product Info

| Amount : | $20 \mu \mathrm{~g}$ |
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| Purification : | Greater than 95\% as determined by SDS-PAGE. |
| Content : | The TBCEL solution ( $1 \mathrm{mg} / \mathrm{ml}$ ) contains 20 mM Tris- HCl buffer ( pH 8.0 ) $0.15 \mathrm{M} \mathrm{NaCl}, 20 \%$ glycerol and 1 mM DTT. |
| Storage condition : | Store at $4^{\circ} \mathrm{C}$ if entire vial will be used within $2-4$ weeks. Store, frozen at $-20^{\circ} \mathrm{C}$ 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 DWTEIRKLGV MFPSLDTLVL ANNHLNAIEE |
|  | PDDSLARLFP NLRSISLHKS GLQSWEDIDK LNSFPKLEEV RLLGIPLLQP YTTEERRKLV |
|  | IARLPSVSKL NGSVVTDGER EDSERFFIRY YVDVPQEEVP FRYHELITKY GKLEPLAEVD |
|  | LRPQSSAKVE VHFNDQVEEM SIRLDQTVAE LKKQLKTLVQ LPTSNMLLYY FDHEAPFGPE |
|  | EMKYSSRALH SFGIRDGDKI YVESKTK. |



