
Product Data Sheet

Product Name: TBCEL Human
 Cat. No.: GP24789
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tubulin Folding Cofactor E-Like; E-Like; LRRC351; Leucine Rich Repeat Containing Catastrophin; Tubulin-Specific Chaperone E-Like.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMDQPSGR SFMQVLCEKY SPENFPYRRG PGMGVHVPAT PQGSPMKDRL NLPSVLVLNS CGITCAGDEK EIAAFCAHVS ELDLSDNKLE DWHEVSKIVS NVPQLEFLNL SSNPLNLSVL ERTCAGSFSG VRKLVLNNSK ASWETVHMIL QELPDLEELF		
Formulation	The TBCEL solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) 0.15M NaCl, 20% glycerol and 1mM DTT.		

Introduction

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.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

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