
Product Data Sheet

Product Name: TUBG1 Human
 Cat. No.: GP24915
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tubulin gamma 1; TUBG; TUBGCP1; tubulin gamma polypeptide; Gamma-tubulin complex component 1; GCP-1; gamma-1-tubulin; Tubulin gamma-1 chain.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MPREITLQL GQCGNQIGFE FWKQLCAEHG ISPEGIVEEF ATEGTRKDV FFYQADDEHY IPRAVLLDLE PRVIHSILNS PYAKLYNPEN IYLSEHGGGA GNNWASGFSQ GEKIHEDIFD IIDREADGSD SLEGFVLCHS IAGGTGSGLG SYLLERLNDR YPKKLVQTYS VFPNQDEMMSD VVVQPYNSLL TLKRLTQNAD CVVLDNTAL NRIATDRLHI QNPSFSQINQ LVSTIMSAST TTLRYPGYMN NDLIGLIASL IPTPRLHFLM TGYTPLTTDQ SVASVRKTTV LDVMRLLQP KNVMVSTGRD RQTNHCYIAI LNIIQGEVDP TQVHKSLQRI RERKLANFIP WGPASIQVAL SRKSPYLPSA HRVSGLMMAN HTSISLFFER TCRQYDKLRK REAFLEQFRK EDMFKDNFDE MDTSREIVQQ LIDEYHAATR PDYISWGTQE Q.		
Formulation	TUBG1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 1M Urea, and 5% glycerol.		

Introduction

TUBG1 belongs to the tubulin superfamily. TUBG1 localizes to the centrosome and binds to microtubules to create the gamma-tubulin ring complex. TUBG1 facilitates the microtubule nucleation and is essential for microtubule formation and progression of the cell cycle.

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

TUBG1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 471 amino acids (1-451 a.a.) and having a molecular mass of 53.3kDa. TUBG1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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