

TUBG1, 1-451 aa, Human, His tag E.coli

Cat.NO.: TP04339

3th Edition

Synonyms:Tubulin gamma-1 chain, GCP-1, TUBG, TUBGCP1

Description:TUBG1 is a member of the tubulin superfamily. This protein localizes to the centrosome where it binds to microtubules as part of a complex referred to as the gamma-tubulin ring complex. It mediates microtubule nucleation and is required for microtubule formation and progression of the cell cycle. Recombinant human TUBG1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) 1M Urea, 5% Glycerol.

Molecular Weight:53.3 kDa (471aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMPREIITLQLGQCGNQIGFEFWKQLCAEHGISPEGIVEEFATEGTDRKDVFFYQAD
DEHYIPRAVLLDLEPRVIHSILNSPYAKLYNPENIYLSEHGGGAGNNWASGFSQGEKIHEDIFDIIDREADGSDSLEGF
VLCHSIAGGTGSGLSYLLERLNDRYPKKLVQTYSVFPNQDEMSDVVVVQPYNSLLTLKRLTQNADCVVLDNTALN
RIATDRLHIQNPSFSQINQLVSTIMSASTTTLRYPGYMNDLIGLIASLIPTPRLHFLMTGYTPLTTDQSVASVRKTTVL
DVMRRLQPKNVMVSTGRDRQTNHCYIALNIIQGEVDPTQVHKSQRIRERKLANFIPWGPASIQVALSRKSPYLP
AHRVSGLMANHTSISSLFERTCRQYDKLRKREAFLEQFRKEDMFKDNFDEMDTSREIVQQLIDEYHAATRPDYIS
WGTQEQ

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.