

Recombinant human TUBG1 protein

Catalog Number: ATGP1295

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-451aa

UniProt No.

P23258

NCBI Accession No.

NP_001061

Alternative Names

Tubulin gamma-1 chain, GCP-1, TuBG, TuBGCP1

PRODUCT SPECIFICATION

Molecular Weight

53.3 kDa (471aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) 1M urea, 5% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MPREITLQL GQCGNQIGFE FWKQLCAEHG ISPEGIVEEF ATEGTDRKDV FFYQADDEHY

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IPRAVLLDLE PRVIHSILNS PYAKLYNPEN IYLSEHGGA GNNWASGFSQ GEKIHEDIFD IIDREADGSD SLEGFVLCHS
IAGGTGSGLG SYLLERLNDY YPKKLVQTYV VFPNQDEMSD VVVQPYNSLL TLKRLTQNAD CVVVDNTAL NRIATDRLHI
QNPSFSQINQ LVSTIMSAST TTLRYPGYMN NDLIGLIASL IPTPLHFLM TGYTPTTDDQ SVASVRKTTV LDVMRRLQ
KNVMVSTGRD RQTNHCYIAI LNIIQGEVDP TQVHKSLQRI RERKLANFIP WGPASIQVAL SRKSPYLP
SA HRVSGLMMAN HTSISSLFER TCRQYDKLRK REAFLEQFRK EDMFKDNFDE MDTREIVQQ LIDEYHAATR PDYISWGTQE Q

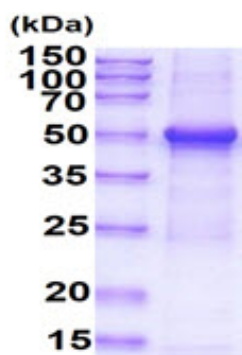
General References

Zheng Y., et al. (1991) Cell. 65(5):817-23.

Wise DO., et al. (2000) Genomics. 67(2):164-70.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.