

TUBG1 Human

Description: 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.

Catalog #: PRPS-989

For research use only.

Synonyms: Tubulin gamma 1, TUBG, TUBGCP1, tubulin gamma polypeptide, Gamma-tubulin complex component 1, GCP-1, gamma-1-tubulin, Tubulin gamma-1 chain.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MPREITLQL GQCGNQIGFE
FWKQLCAEHG ISPEGIVEEF ATEGTRDKDV FFYQADDEHY IPRAVLLDLE PRVIHSILNS
PYAKLYNPEN IYLSEHGGGA GNNWASGFSQ GEKIHEDIFD IIDREADGSD SLEGFVLCHS
IAGGTGSGLG SYLLERLNDY YPKKLVQTYV VFPNQDEMSD VVVQPYNLL TLKRLTQNAD
CVVVDNTAL NR

Purity: Greater than 85% as determined by SDS-PAGE.

Formulation:

TUBG1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 1M Urea, and 5% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

TUBG1 belongs to the tubulin superfamily. TUBG1 is localized 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.

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