

32-5156: Recombinant Human Tubulin Gamma 1

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

Description

Source : E.coli. 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. TUBG1 belongs to the tubulin superfamily. TUBG1 is 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.

Product Info

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| Amount : | 20 µg |
| Purification : | Greater than 85% as determined by SDS-PAGE. |
| Content : | TUBG1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 1M Urea, and 5% glycerol. |
| Storage condition : | 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. |
| Amino Acid : | MGSSHHHHHH SSGLVPRGSH MPREIITLQL GQCGNQIGFE FWKQLCAEHG ISPEGIVEEF ATEGTD RKDV FFYQADDEHY IPRAVLLDLE PRVIHSILNS PYAKLYNPEN IYLSEHG GGA GNNWASGFSQ GEKIHEDIFD IIDREADGSD SLEGFVLCHS IAGGTG SGLG SYLLERL NDR YPKKLVQ TYS VFPNQDEMSD VVVQPYN SLL TLKRLTQNAD C VVLDNTAL NRIATDRLHI QNPSFSQINQ LVSTIMSAST TTLRYPGYMN NDLIGLIASL IPTPRLHFLM TGYTPLTTDQ SVASVRKTTV LDVMRRL LQP KNVMVSTGRD RQTNHCYIAI LNIQGEVDP TQVHKSLQRI RERKLANFIP WGPASIQVAL SRKSPYLPSA HRVSGLM MAN HTSISL FER TCRQYDKLRK REAFLEQFRK EDMFKDNFDE MDT SREIVQQ LIDEYHAATR PDYISWGTQE Q. |

