

TUBB3, 1-450aa, Human, His tag, E.coli

Cat.NO.: TP04338

3th Edition

Synonyms:Tubulin, beta 3 class III, beta-4, CDCBM, CFEOM3A, TUBB4

Description:Tubulin, beta 3 class III, also known as TUBB3, is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain. TUBB3 plays a critical role in proper axon guidance and maintenance. Recombinant human TUBB3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Molecular Weight:52.8 kDa (473aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMREIVHIQAGQCNGQIGAKFWEVISDEHGIDPSGNYVGDSDLQLERISVYYN
EASSHKYVPRAILVDLEPGTMDSVRSGAFGHLFRPDNFIGQSGAGNNWAKGHYTEGAELVDSVLDVVRKECENC
DCLQGFQLTHSLGGGTGSGMGTLISKVREEYPDRIMNTFSVVPSPKVS DTVVEPYNATLSIHQLVENTDETYCIDN
EALYDICFRTLKLATPTYGDLNHLVSATMSGVTTSLRFPGQLNADLRKLAVNMVFPRLHFFMPGFAPLTARGSQQ
YRALTVPELTQQMFDANKMMAACDPRHGRYLTVATVFRGRMSMKEVDEQMLAIQSKNSSYFVEWIPNNVKVAVC
DIPPRGLKMSSTFIGNSTAIQELFKRISEQFTAMFRRKAFLHWYTGEGMDEMEFTEAESNMNDLVSEYQQYQDATA
EEEGEMYEDDEESEAQGPK

Purity:> 95% by HPLC

Concentration:0.25 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.